

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: December 24, 2004, 18:44:20 ; Search time 91 Seconds
(without alignments)
2319.827 Million cell updates/sec

Title: US-10-021-416A-1
Perfect score: 297
Sequence: 1 ccccttctgcactagcctt.....ggggaggagaaacgtccggg 297

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

1 number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	273.2	92.0	744	3	US-09-163-285-3
C 2	273.2	92.0	1512	3	US-09-163-285-1
C 3	47.2	15.9	1534	4	US-09-023-655-274
C 4	47.2	15.9	1675	4	US-10-140-002-135
C 5	44.2	14.9	1201	4	US-09-023-655-140
C 6	39.8	13.4	7218	1	US-08-232-463-14
C 7	36.2	12.2	508	3	US-09-328-111-770
C 8	35	11.8	364	4	US-09-621-976-17202
C 9	33.8	11.4	13254	1	US-08-276-852-156
C 10	33.8	11.4	13254	1	US-08-276-852-170
C 11	33.8	11.4	13254	1	US-08-899-575-156
C 12	33.8	11.4	13254	1	US-08-899-575-170
C 13	33.8	11.4	13254	1	US-08-899-575-156
C 14	33.8	11.4	13254	1	US-08-899-575-170
C 15	33.8	11.4	13254	5	PCT-US95-08743-156
C 16	33.8	11.4	13254	5	PCT-US95-08743-170
C 17	33.2	11.2	714	4	US-09-663-600A-158
C 18	33.2	11.2	832	4	US-09-663-600A-64
C 19	33.2	11.2	1210	4	US-10-140-002-173
C 20	32.4	10.9	1446	4	US-09-489-039A-3152
C 21	31.8	10.7	594	4	US-09-252-991A-1754
C 22	31.8	10.7	1347	4	US-09-252-991A-1974
C 23	31.6	10.6	536165	4	US-09-214-808-1
C 24	31	10.4	2226	4	US-09-799-451-355
C 25	31	10.4	2727	4	US-09-814-915A-36
C 26	30.2	10.2	1107	4	US-09-248-796A-521
C 27	30.2	10.2	43280	2	US-08-280-227C-1

28	30	10.1	278	4	US-09-313-294A-4472	Sequence 4472, Ap
29	29.8	10.0	1059	3	US-08-724-984A-3	Sequence 3, Appli
30	29.8	10.0	1059	4	US-08-771-276-19	Sequence 19, Appl
31	29.8	10.0	1071	3	US-09-087-232A-14	Sequence 14, Appl
32	29.8	10.0	1225	4	US-09-023-655-967	Sequence 967, App
33	29.8	10.0	1344	3	US-09-087-232A-16	Sequence 16, Appl
34	29.8	10.0	1376	3	US-09-087-232A-12	Sequence 12, Appl
35	29.8	10.0	1376	4	US-09-016-434-1104	Sequence 1104, Ap
36	29.8	10.0	1376	4	US-09-796-202-2	Sequence 2, Appli
37	29.8	10.0	1414	3	US-08-466-343D-1	Sequence 1, Appli
38	29.8	10.0	1414	4	US-09-502-783A-1	Sequence 1, Appli
39	29.8	10.0	1414	4	US-09-339-912A-1	Sequence 1, Appli
40	29.8	10.0	1414	4	US-08-833-752-3	Sequence 3, Appli
41	29.8	10.0	1442	4	US-08-833-752-3	Sequence 3, Appli
42	29.8	10.0	1442	4	US-09-938-719-3	Sequence 3, Appli
43	29.8	10.0	1477	4	US-08-833-752-2	Sequence 2, Appli
44	29.8	10.0	1477	4	US-09-938-719-2	Sequence 2, Appli
45	29.8	10.0	1539	4	US-09-023-655-265	Sequence 265, App

ALIGNMENTS

RESULT 1
US-09-163-285-3/c
; Sequence 3, Application US/09163285
; Patent No. 6204013
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran
; TITLE OF INVENTION: NOVEL MSP-5 PROTEIN AND NUCLEIC ACID MOLECULES
; AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/163,285
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/090,398
; FILING DATE: June 24, 1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-049
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 744 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..744
; US-09-163-285-3

Query Match 92.0%; Score 273.2; DB 3; Length 744;
Best Local Similarity 99.3%; Pred. No. 2.9e-79;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCTTGGCATATCT 60
Db 390 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCTTGGCATATCT 331
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db 330 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 271
QY 121 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 270 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 211
QY 181 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCCGGTGGGACTCAGTTC 240
Db 210 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCCGGTGGGACTCAGTTC 274
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 150 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 117

RESULT 2
US-09-163-285-1/c
; Sequence 1, Application US/09163285
; Patent No. 6204013
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran
; TITLE OF INVENTION: NOVEL MSP-5 PROTEIN AND NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/163,285
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/090,398
; FILING DATE: June 24, 1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MNI-049
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1512 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 125..868
US-09-163-285-1

Query Match 92.0%; Score 273.2; DB 3; Length 1512;
Best Local Similarity 99.3%; Pred. No. 4e-79;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 514 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 455
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db 454 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 395
QY 121 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 394 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 335
QY 181 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCCGGTGGGACTCAGTTC 240
Db 334 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCCGGTGGGACTCAGTTC 275
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 274 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 241

RESULT 3
US-09-023-655-274/c
; Sequence 274, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 274:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1534 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BRSTNOT07
; CLONE: 1298861
US-09-023-655-274

Query Match 15.9%; Score 47.2; DB 4; Length 1534;
Best Local Similarity 56.4%; Pred. No. 1.5e-05;
Matches 88; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

STATE: VA
COUNTRY: USA
ZIP: 22313-0299
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/935,313
FILING DATE:
APPLICATION NUMBER: EP 91 114 300.6
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: BENT, Stephen A.
REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30472/114 IMMU
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEFAX: (703)683-4109
TELEX: 899149
SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
CLONE: ptzgpt-Fls
US-08-232-463-14

Query Match 13.4%; Score 39.8; DB 1; Length 7218;
Best Local Similarity 1.1%; Pred. No. 0.0078;
Matches 3; Conservative 168; Mismatches 106; Indels 0; Gaps 0;

Qy 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCTTGACCCCTTGGCATATCT 60
Db 1160 YY 1219
Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 120
Db 1220 YY 1279
Qy 121 TAAGGCCTCTTCCAGCCTTGCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 1280 YY 1339
Qy 181 TGTATCCAGCACTGCCAGCTCCAGRCCTCTCGAGATCGACCGTGCGACTCAGTTC 240
Db 1340 YY 1399
Qy 241 CGCCTGTAGCTGTGTGCTCAGCAGCTTACACACTGGT 277
Db 1400 YYGT 1436

RESULT 7
US-09-328-111-770/c
; Sequence 770, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan

; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 770
; LENGTH: 508
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(508)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-770

Query Match 12.2%; Score 36.2; DB 3; Length 508;
Best Local Similarity 45.9%; Pred. No. 0.036;
Matches 119; Conservative 1; Mismatches 139; Indels 0; Gaps 0;

Qy 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 351 CCTCATCAGCGCTGCACGTGGCACTGGAATCATTTGCTGACTGGGGCTCGGGCCTTTGGG 292
Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 120
Db 291 CATTATTGTGCTGAGCTACCAACCAATCTTCATCTCTAGGTTCCACCTTCTCAGCTGGCTC 232
Qy 121 TAAGGCCTCTTCCAGCCTTGCTCTGTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 231 TATCAAGTCTCTTTCTTTGGTATTATCACCTTCAACTTTAGATGCATGTTTCTGGCA 172
Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCTGAGATCGACCGGTGCGACTCAGTTC 240
Db 171 CCCTCACTCAACGTCCACAGAGTCAGCTTTGGTAGCGGGTGGGGGATCACAACAGAAC 112
Qy 241 CGCCTGTAGCTCTGTGCTC 259
Db 111 CCTCTTCAGCACTGTGCTC 93

RESULT 8
US-09-621-976-17202/c
; Sequence 17202, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 17202
; LENGTH: 364
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-17202

Query Match 11.8%; Score 35; DB 4; Length 364;
Best Local Similarity 11.6%; Pred. No. 0.077;
Matches 29; Conservative 116; Mismatches 106; Indels 0; Gaps 0;
Qy 16 GCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCTCAGTGAGCCCTTGCG 75

Db 272 SMKSTYKRWRSAGSWMTGYRMSKMWTTGSTRSCTSKKRKKGSTSSKYASTSGKSSYM 213
Qy 76 CTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATCTCTAAGGCCTCTTCCAG 135
Db 212 STCRKSSKKCRYSATYYSCMKWKKCYCMMSATYSGCMMRWYCYSCMMSRYSCTSYSRG 153
Qy 136 CTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCCTGATCCAGCACCTG 195
Db 152 KCSCTGWKGGKCYRMYRGRMWKYMRSRGARRYTGRSGWCRSTKRYRKTCASWGAKGT 93
Qy 196 CCCAGCTCCAGCCCTCTCGAGATCGACCGGTGCGACTCAGTTCGGCCTGTAGCTCTGT 255
Db 92 KMCCMRMGSTGASYMRMKS YKRWKWSWKSMKGYGYSWMSYSGSGCSWCKSCGGSSYYCRS 33
Qy 256 GCTCAGCAGCT 266
Db 32 YSSMGKCSRCT 22

RESULT 9

US-08-276-852-156/c
; Sequence 156, Application US/08276852
; Patent No. 5652138
; GENERAL INFORMATION:
; APPLICANT: Burton, Dennis R
; APPLICANT: Barbas, Carlos F
; APPLICANT: Lerner, Richard A
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS
; NUMBER OF SEQUENCES: 170
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; ADDRESSEE: Patent Counsel
; STREET: 10666 No. 5652138th Torrey Pines Road, Suite 220,
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/276,852
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/178,302
; FILING DATE: 30-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/954,148
; FILING DATE: 30-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR1452P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13254 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
US-08-276-852-156

Query Match 11.4%; Score 33.8; DB 1; Length 13254;
Best Local Similarity 56.9%; Pred. No. 0.92;

Matches 62; Conservative 0; Mismatches 47; Indels 0; Gaps 0;
Qy 26 GTTGCCATGGTCTGACTCTGACCCCTTGSCATATCTCAGTGAGCCCTTGCGCTCAGCGTGA 85
Db 9283 GTTTCGTGGAACCCAGTCAGACCACGGGCATTGTCCAGGGCCCCCTTGGGATCGTAGGCT 9224
Qy 86 ACACATAGTCCAGGATCCGCTCACATAAAATTTCTTAAGGCCTCTTCCA 134
Db 9223 CGAATGTGTACCGGTGCCGCTTGTCTTAGTTTCTCGATGGCCTCCTCGA 9175

RESULT 10

US-08-276-852-170
; Sequence 170, Application US/08276852
; Patent No. 5652138
; GENERAL INFORMATION:
; APPLICANT: Burton, Dennis R
; APPLICANT: Barbas, Carlos F
; APPLICANT: Lerner, Richard A
; TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
; TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS
; NUMBER OF SEQUENCES: 170
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: The Scripps Research Institute, Office of
; ADDRESSEE: Patent Counsel
; STREET: 10666 No. 5652138th Torrey Pines Road, Suite 220,
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/276,852
; FILING DATE: 18-JUL-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/178,302
; FILING DATE: 30-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/954,148
; FILING DATE: 30-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: SCR1452P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-554-2937
; TELEFAX: 619-554-6312
; INFORMATION FOR SEQ ID NO: 170:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 13254 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
US-08-276-852-170

Query Match 11.4%; Score 33.8; DB 1; Length 13254;
Best Local Similarity 56.9%; Pred. No. 0.92;
Matches 62; Conservative 0; Mismatches 47; Indels 0; Gaps 0;

Qy 26 GTTGCCATGGTCTGACTCTGACCCCTTGSCATATCTCAGTGAGCCCTTGCGCTCAGCGTGA 85
Db 3972 GTTTCGTGGAACCCAGTCAGACCACGGGCATTGTCCAGGGCCCCCTTGGGATCGTAGGCT 4031
Qy 86 ACACATAGTCCAGGATCCGCTCACATAAAATTTCTTAAGGCCTCTTCCA 134
Db 4032 CGAATGTGTACCGGTGCCGCTTGTCTTAGTTTCTCGATGGCCTCCTCGA 4080

PCT-US95-08743-156

Query Match 11.4%; Score 33.8; DB 5; Length 13254;
Best Local Similarity 56.9%; Pred. No. 0.92;
Matches 62; Conservative 0; Mismatches 47; Indels 0; Gaps 0;
Qy 26 GTTGCCATGGTCTGACTCTGACCCCTTGGCATATCTCAGTGAGCCCTTGGCGCTCAGCGTGA 85
Db 9283 GTTTCGTGGAAACCCAGTCAGACCAACGGGGCAATTGTCCAGGCCCCCTTGGGATCGTAGGCT 9224
Qy 86 AACTATAGTCCAGGATCCGCTCACATAAATTCTTAAGGCCTCTTCCA 134
Db 9223 CGAATGTGGTACCGGTGCCGCTTGCTTAGTTCTCGATGGCCTCCTCGA 9175

Search completed: December 24, 2004, 20:31:26
Job time : 92 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model
Run on: December 24, 2004, 18:41:25 ; Search time 2982 seconds
(without alignments)
3629.309 Million cell updates/sec

Title: US-10-021-416A-1
Perfect score: 297
Sequence: 1 ccccttctgcactaggcctt.....ggggaggagaaacgtccggg 297

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 32822875 seqs, 18219865908 residues

number of hits satisfying chosen parameters: 65645750

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	296.2	99.7	297	1	AA077497
2	296.2	99.7	899	5	BQ959262
3	273.2	92.0	521	7	CN341090
4	273.2	92.0	665	7	CN341088
5	273.2	92.0	916	5	BU845063
6	273.2	92.0	925	4	BI488499
7	273.2	92.0	1004	5	BU191647
8	273.2	92.0	1057	4	BM473025
9	273.2	92.0	1062	5	BM928528
10	271.6	91.4	730	4	BI086395
11	268	90.2	982	5	BX382729
12	262.2	88.3	835	2	BF677384
13	257	86.5	786	4	BG023825
14	249.6	84.0	903	5	BX391768
15	231.6	78.0	580	1	AV601357
16	227.8	76.7	279	1	AA077528
17	219.4	73.9	672	7	CO403110
18	219.4	73.9	729	7	CK367266
19	219.4	73.9	729	7	CK601851
20	219.4	73.9	757	7	CO555870
21	216.8	73.0	696	6	CA749911
22	216.8	73.0	739	7	CO424121
23	214.6	72.3	963	5	BU513255
24	211.4	71.2	542	6	CA533756

C 25	211.4	71.2	590	6	CA568593	CA568593 K0429F04-
C 26	211.4	71.2	612	2	BB656031	BB656031 BB656031
C 27	211.4	71.2	647	6	CD773253	CD773253 AGENCOURT
C 28	211.4	71.2	671	2	BB624329	BB624329 BB624329
C 29	211.4	71.2	674	6	CA321634	CA321634 UI-M-FX0-
C 30	211.4	71.2	680	7	CN457146	CN457146 UI-M-HP0-
C 31	211.4	71.2	756	6	CB595386	CB595386 AGENCOURT
C 32	211.4	71.2	770	4	BI665154	BI665154 603286846
C 33	211.4	71.2	777	7	CO799318	CO799318 AGENCOURT
C 34	211.4	71.2	908	5	BU514817	BU514817 AGENCOURT
C 35	211.4	71.2	910	5	BQ895354	BQ895354 AGENCOURT
C 36	211.4	71.2	927	6	CB193950	CB193950 AGENCOURT
C 37	211.4	71.2	1020	6	BY710743	BY710743 BY710743
C 38	211.4	71.2	1507	3	AK012968	AK012968 Mus muscu
C 39	211.4	71.2	1526	3	AK011474	AK011474 Mus muscu
C 40	211.4	71.2	1527	3	AK033219	AK033219 Mus muscu
C 41	211.4	71.2	1783	3	AK051562	AK051562 Mus muscu
C 42	209.8	70.6	349	5	BY122080	BY122080 BY122080
C 43	209.8	70.6	655	5	BM949676	BM949676 UI-M-EGOp
C 44	209.8	70.6	766	7	CF950399	CF950399 UI-M-HJ0-
C 45	209.8	70.6	832	7	CO813269	CO813269 AGENCOURT

ALIGNMENTS

RESULT 1
AA077497
LOCUS
DEFINITION
7B18G12 Chromosome 7 Fetal Brain cDNA Library Homo sapiens cDNA
clone 7B18G12, mRNA sequence.
ACCESSION
AA077497
VERSION
AA077497.1 GI:1836971
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 297)
AUTHORS
Touchman,J.W., Bouffard,G.G., Weintraub,L.A., Idol,J.R., Wang,L.,
Robbins,C.M., Nussbaum,J.C., Lovett,M. and Green,E.D.
TITLE
2006 expressed-sequence tags derived from human chromosome
7-enriched cDNA libraries
JOURNAL
Genome Res. 7 (3), 281-292 (1997)
MEDLINE
97228905
PUBMED
9074931
COMMENT
Contact: Eric D. Green
Genome Technology Branch
National Human Genome Research Institute/NIH
49 Convent Dr., MSC4431, Building 49, Room 2A08, Bethesda, MD 20892
Tel: 3014020201
Fax: 3014024735
Email: egreen@hgri.nih.gov
Plate: 18 row: G column: 12
Seq primer: -21M13 (ABI).
Location/Qualifiers
1..297
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="7B18G12"
/sex="female and male mixture"
/tissue_type="brain"
/dev_stage="pool of 9 week and 12 week"
/lab_host="E. coli strain DH5 alpha"
/clone_lib="Chromosome 7 Fetal Brain cDNA Library"
/note="Organ: brain; Vector: pAMP10; cDNA was generated
from cytoplasmic RNA using a mixture of random DNA
hexamers and oligo(dT). From this pool of cDNA, human
chromosome 7-enriched cDNA was isolated by direct cDNA
selection using chromosome 7 genomic DNA (cosmids). The
resulting direct-selected cDNA was cloned into a plasmid
vector using a non-directional uracil DNA glycosylase

ORIGIN									
(UDG)-mediated cloning strategy."									
Query Match 99.7%; Score 296.2; DB 1; Length 297;									
Best Local Similarity 99.3%; Pred. No. 6.2e-74;									
Matches 295; Conservative 2; Mismatches 0; Indels 0; Gaps 0;									
Qy	1	CCCCTTCTGCACTAGGCCCTTT	CAGTGTGGCATGGTCTGACTCTGACCTTGGCATA	TCT	60				
Db	1	CCCCTTCTGCACTAGGCCCTTT	CAGTGTGGCATGGTCTGACTCTGACCTTGGCATA	TCT	60				
Qy	61	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAA	TTCTC	120					
Db	61	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAA	TTCTC	120					
Qy	121	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTYCTTCTTCC	TTGCC	180					
Db	121	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTYCTTCTTCC	TTGCC	180					
	181	TGTATCCAGCACCTGCCCCAGCTCCAGCCTCTCGAGATCGACCGGTGCGACTCAG	TTTC	240					
Db	181	TGTATCCAGCACCTGCCCCAGCTCCAGCCTCTCGAGATCGACCGGTGCGACTCAG	TTTC	240					
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACTGGTGGGAGGAGAAACGTCCGGG	297						
Db	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACTGGTGGGAGGAGAAACGTCCGGG	297						
RESULT 2									
BQ959262/c									
LOCUS BQ959262 899 bp mRNA linear EST 21-AUG-2002									
DEFINITION AGENCOURT_8948878 NIH_MGC_71 Homo sapiens cDNA clone IMAGE:6469659									
5', mRNA sequence.									
ACCESSION BQ959262									
VERSION BQ959262.1 GI:22374740									
KEYWORDS EST.									
SOURCE Homo sapiens (human)									
ORGANISM Homo sapiens									
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;									
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.									
1 (bases 1 to 899)									
NIH-MGC http://mgc.nci.nih.gov/ .									
National Institutes of Health, Mammalian Gene Collection (MGC)									
Unpublished (1999)									
Contact: Robert Strausberg, Ph.D.									
Email: cgaps-remail.nih.gov									
Tissue Procurement: ATCC									
cDNA Library Preparation: Life Technologies, Inc.									
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)									
DNA Sequencing by: Agencourt Bioscience Corporation									
Clone distribution: MGC clone distribution information can be									
found through the I.M.A.G.E. Consortium/LLNL at:									
http://image.llnl.gov									
Plate: LLAW1399 row: c column: 04									
High quality sequence stop: 594.									
FEATURES									
source									
1. .899									
/organism="Homo sapiens"									
/mol_type="mRNA"									
/db_xref="taxon:9606"									
/clone="IMAGE:6469659"									
/tissue_type="leiomyosarcoma"									
/lab_host="DH10B (phage-resistant)"									
/clone_lib="NIH_MGC_71"									
/note="Organ: uterus; Vector: pCMV-SPORT6; Site_1: NotI;									
Site_2: SalI; Cloned unidirectionally. Primer: Oligo dt.									
Average insert size 2.1 kb. "									
ORIGIN									
Query Match 99.7%; Score 296.2; DB 5; Length 899;									
Best Local Similarity 99.3%; Pred. No. 7.5e-74;									
Matches 295; Conservative 2; Mismatches 0; Indels 0; Gaps 0;									

Qy	1	CCCCTTCTGCACTAGGCCCTTT	CAGTGTGGCATGGTCTGACTCTGACCTTGGCATA	TCT	60
Db	482	CCCCTTCTGCACTAGGCCCTTT	CAGTGTGGCATGGTCTGACTCTGACCTTGGCATA	TCT	423
Qy	61	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAA	TTCTC	120	
Db	422	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAA	TTCTC	363	
Qy	121	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTYCTTCTTCC	TTGCC	180	
Db	362	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTYCTTCTTCC	TTGCC	303	
Qy	181	TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAG	TTTC	240	
Db	302	TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAG	TTTC	243	
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACTGGTGGGAGGAGAAACGTCCGGG	297		
Db	242	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACTGGTGGGAGGAGAAACGTCCGGG	186		
RESULT 3					
CN341090/c					
LOCUS CN341090 521 bp mRNA linear EST 16-MAY-2004					
DEFINITION 1700418229950 GRN_ES Homo sapiens cDNA 5', mRNA sequence.					
ACCESSION CN341090					
VERSION CN341090.1 GI:47341024					
KEYWORDS EST.					
SOURCE Homo sapiens (human)					
ORGANISM Homo sapiens					
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;					
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.					
1 (bases 1 to 521)					
Brandenberger,R., Wei,H., Zhang,S., Lei,S., Murage,J., Fisk,G.J.,					
Li,Y., Xu,C., Fang,R., Guegler,K., Rao,M.S., Mandalam,R.,					
Lebkowski,J and Stanton,L.W.					
Transcriptome characterization elucidates signaling networks that					
control human ES cell growth and differentiation					
Nat. Biotechnol. 22 (6), 707-716 (2004)					
Contact: Brandenberger R					
Regenerative Medicine					
Geron Corporation					
230 Constitution Drive, Menlo Park, CA 94025, USA					
Tel: 650 473 8658					
Fax: 650 473 7760					
Email: rbrandenberger@geron.com					
Insert Length: 521 Std Error: 0.00.					
FEATURES					
source					
1. .521					
/organism="Homo sapiens"					
/mol_type="mRNA"					
/db_xref="taxon:9606"					
/tissue_type="embryonic stem cells, cell lines H1, H7, and					
H9"					
/clone_lib="GRN_ES"					
/note="oligo dt primed, full-length enriched cDNA library					
from undifferentiated hES cell lines H1 (p32), H7 (p29),					
and H9 (p26) maintained in feeder-free conditions"					
ORIGIN					
Query Match 92.0%; Score 273.2; DB 7; Length 521;					
Best Local Similarity 99.3%; Pred. No. 2.6e-67;					
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;					
Qy	1	CCCTTCTGCACTAGGCCCTTT	CAGTGTGCCATGGTCTGACTCTGACCTTGGCATA	TCT	60
Db	456	CCCTTCTGCACTAGGCCCTTT	CAGTGTGCCATGGTCTGACTCTGACCTTGGCATA	TCT	397
Qy	61	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAA	TTCTC	120	
Db	396	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAA	TTCTC	337	
Qy	121	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTYCTTCTTCC	TTGCC	180	

Db 336 TAAGGCCTCTCCAGCCTTGTCTCTGAAAGCGTGTAAAGGCACGTGTCTCTCTCTTGCC 277

Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGTGGCACTCAGTTTC 240

Db 276 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGTGGCACTCAGTTTC 217

Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274

Db 216 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 183

RESULT 4

CN341088/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

1. .665

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/tissue_type="embryonic stem cells, cell lines H1, H7, and H9"

/clone_lib="GRN_ES"

/note="oligo dT primed, full-length enriched cDNA library from undifferentiated hES cell lines H1 (p32), H7 (p29), and H9 (p26) maintained in feeder-free conditions"

Query Match 92.0%; Score 273.2; DB 7; Length 665;

Best Local Similarity 99.3%; Pred. No. 2.7e-67;

Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60

Db 402 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 343

Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120

Db 342 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 283

Qy 121 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGCC 180

Db 282 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGCC 223

Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGTGGCACTCAGTTTC 240

Db 222 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGTGGCACTCAGTTTC 163

Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274

Db 162 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 129

RESULT 5

BU845063/c

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

source

1. .916

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:6578597"

/tissue_type="teratocarcinoma, cell line"

/lab_host="DH10B (phage-resistant)"

/clone_lib="NIH MGC_109"

/note="Organ: ovary; Vector: pOTB7; Site 1: EcoRI; Site 2: XhoI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5' adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a NIH MGC Library."

Query Match 92.0%; Score 273.2; DB 5; Length 916;

Best Local Similarity 99.3%; Pred. No. 2.9e-67;

Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60

Db 486 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 427

Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120

Db 426 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 367

Qy 121 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGCC 180

Db 366 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGCC 307

Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGTGGCACTCAGTTTC 240

Db 306 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGTGGCACTCAGTTTC 247

Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274

Db 246 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 213

RESULT 6
BI488499/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

BI488499
603021008F1 NIH_MGC_114 Homo sapiens cDNA clone IMAGE:5191897 5',
mRNA sequence.
BI488499
BI488499.1 GI:15327727
EST.
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 925)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: L1AM11479 row: 0 column: 02
High quality sequence stop: 741.
Location/Qualifiers
1. .925
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5191897"
/lab_host="DH10B"
/clone_lib="NIH_MGC_114"
/note="Organ: brain; Vector: pCMV-SPORT6; Site_1: NotI;
Site_2: EcoRV (destroyed); RNA source anonymous pool of 6
male brains, age range 23-27 yo. Library is oligo-dT
primed and directionally cloned (EcoRV site is destroyed
upon cloning). Average insert size 1.5 kb, insert size
range 1-3 kb. Library is normalized and enriched for
full-length clones and was constructed by C. Gruber
(Invitrogen). Research Genetics tracking code 019. Note:
this is a NIH_MGC Library."

FEATURES
source

ORIGIN

Query Match 92.0%; Score 273.2; DB 4; Length 925;
Best Local Similarity 99.3%; Pred. No. 2.9e-67;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCCCTTCTGCAC TAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCTTGACCCCTTGGCATATCT 60
|||||
Db 497 CCCCTTCTGCAC TAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCTTGACCCCTTGGCATATCT 438
|||||
Qy 61 CAGTGAGCCCTTGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 120
|||||
Db 437 CAGTGAGCCCTTGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 378
|||||
Qy 121 TAAGGCCTTTCAGCCCTTGCTCTGAAACGCTGTAAGGACCGTGYCTCTTCTCTTGGC 180
|||||
Db 377 TAAGGCCTTTCAGCCCTTGCTCTGAAACGCTGTAAGGACCGTGYCTCTTCTCTTGGC 318
|||||
Qy 181 TGTATCCAGACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
|||||
Db 317 TGTATCCAGACCTGCCCCAGCTCCAGACCTCTCGAGATCGACCGGTGCGACTCAGTTC 258
|||||
Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
|||||
Db 257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224
|||||

RESULT 7

BU191647/c
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

BU191647
AGENCOURT 8074092 NIH_MGC_102 Homo sapiens cDNA clone IMAGE:6087327
5', mRNA sequence.
BU191647
BU191647.1 GI:22705618
EST.
Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1004)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: L1CM2323 row: 1 column: 16
High quality sequence stop: 671.
Location/Qualifiers
1. .1004
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6087327"
/tissue_type="epidermoid carcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_102"
/note="Organ: salivary gland; Vector: pOTB7; Site_1: XhoI;
Site_2: EcoRI; cDNA made by oligo-dT priming.
Directionally cloned into EcoRI/XhoI sites using the
following 5' adaptor: GGCACGAG(G). Library constructed
by Ling Hong in the laboratory of Gerald M. Rubin
(University of California, Berkeley) using ZAP-cDNA
synthesis kit (Stratagene) and Superscript II RT (Life
Technologies). Note: this is a NIH_MGC Library."

FEATURES
source

ORIGIN

Query Match 92.0%; Score 273.2; DB 5; Length 1004;
Best Local Similarity 99.3%; Pred. No. 2.9e-67;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCCCTTCTGCAC TAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
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Db 428 CCCCTTCTGCAC TAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 369
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Qy 61 CAGTGAGCCCTTGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 120
|||||
Db 368 CAGTGAGCCCTTGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 309
|||||
Qy 121 TAAGGCCTTTCAGCCCTTGCTCTGAAACGCTGTAAGGACCGTGYCTCTTCTCTTGGC 180
|||||
Db 308 TAAGGCCTTTCAGCCCTTGCTCTGAAACGCTGTAAGGACCGTGYCTCTTCTCTTGGC 249
|||||
Qy 181 TGTATCCAGACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
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Db 248 TGTATCCAGACCTGCCCCAGCTCCAGACCTCTCGAGATCGACCGGTGCGACTCAGTTC 189
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Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
|||||
Db 188 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 155
|||||

RESULT 8
BM473025/c
LOCUS

BM473025 1057 bp mRNA linear EST 05-FEB-2002

DEFINITION AGENCOURT_6466173 NIH_MGC_88 Homo sapiens cDNA clone IMAGE:5574640
5', mRNA sequence.
ACCESSION BM473025
VERSION BM473025.1 GI:18522067
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1057)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: ATCC
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12323 row: j column: 17
High quality sequence stop: 682.
FEATURES
source
1..1057
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5574640"
/tissue_type="duodenal adenocarcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_88"
/note="Organ: small intestine; Vector: pCMV-SPORT6;
Site 1: NotI; Site 2: SalI; Cloned unidirectionally;
oligo-dT primed. Average insert size 1.767 kb. Library
enriched for full-length clones and constructed by Life
Technologies. Note: this is a NIH_MGC Library."
ORIGIN
Query Match 92.0%; Score 273.2; DB 4; Length 1057;
Best Local Similarity 99.3%; Pred. No. 3e-67;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
463 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 404
61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
403 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 344
121 TAAGGCCTCTCCAGCCTTGTCTCTGAACGCTGTAAGGCACGTGCTCTTCTCTTGGC 180
343 TAAGGCCTCTCCAGCCTTGTCTCTGAACGCTGTAAGGCACGTGCTCTTCTCTTGGC 284
181 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
283 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 224
241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
223 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 190
RESULT 9
BM928528/c
LOCUS BM928528
DEFINITION AGENCOURT_6715446 NIH_MGC_100 Homo sapiens cDNA clone IMAGE:5798274
5', mRNA sequence.
ACCESSION BM928528
VERSION BM928528.1 GI:19378907
KEYWORDS EST.

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1062)
AUTHORS NIH-MGC http://mgi.nci.nih.gov/.
TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
JOURNAL Unpublished (1999)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: CGAP (Stanford)
CDNA Library Preparation: Ruben Laboratory
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLM2025 row: p column: 19
High quality sequence stop: 675.
FEATURES
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5798274"
/tissue_type="hepatocellular carcinoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH_MGC_100"
/note="Organ: liver; Vector: pOTB7; Site 1: XhoI; Site 2:
EcoRI; cDNA made by oligo-dT priming. Directionally cloned
into EcoRI/XhoI sites using the following 5' adaptor:
GGCAGCAG(G). Size-selected >500bp for average insert size
1.8kb. Library constructed by Ling Hong in the laboratory
of Gerald M. Rubin (University of California, Berkeley)
using ZAP-cDNA synthesis kit (Stratagene) and Superscript
II RT (Life Technologies). Note: this is a NIH_MGC
Library."
ORIGIN
Query Match 92.0%; Score 273.2; DB 5; Length 1062;
Best Local Similarity 99.3%; Pred. No. 3e-67;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
444 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 385
61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
384 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 325
121 TAAGGCCTCTCCAGCCTTGTCTCTGAACGCTGTAAGGCACGTGCTCTTCTCTTGGC 180
324 TAAGGCCTCTCCAGCCTTGTCTCTGAACGCTGTAAGGCACGTGCTCTTCTCTTGGC 265
181 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
264 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 205
241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
204 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 171
RESULT 10
BI086395/c
LOCUS BI086395
DEFINITION 602849840F1 NIH_MGC_10 Homo sapiens cDNA clone IMAGE:4991480 5',
mRNA sequence.
ACCESSION BI086395
VERSION BI086395.1 GI:14504725
KEYWORDS EST.
SOURCE Homo sapiens (human)

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can
 be found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
 Plate: L1CM1074 row: g column: 08
 High quality sequence stop: 596.

FEATURES

Source

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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:4251295"
/lab_host="DH10B (TI phage-resistant)"
/clone_lib="NIH_MGC_83"
/note="Organ: prostate; Vector: pDNR-LIB (Clontech);
Site_1: SfII (ggccgctggcc); Site_2: SfiI
(ggccattatggcc); 5' and 3' adaptors were used in cloning
as follows: 5' adaptor sequence: 5'-CACGGCCATTATGGCC-3',
and 3' adaptor sequence:
5'-ATTCTAGAGCCGCGGCGGCACATG-dT(30)BN-3' (where B = A,
C, or G and N = A, C, G, or T). Average insert size 1.4
kb (range 0.5-4.0 kb). 14/15 colonies contained inserts
by PCR. This library was enriched for full-length clones
and was constructed by Clontech Laboratories (Palo Alto,
CA)."

```

ORIGIN

Query Match	88.3%;	Score 262.2;	DB 2;	Length 835;
Best Local Similarity	98.9%;	Pred. No. 4e-64;		
Matches 272;	Conservative	2;	Mismatches	0;
			Indels	1;
			Gaps	1;
1	CCCCCTTCTGCACTAGGCGCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCAATCT	60		
280	CCCCCTTCTGCACTAGGCGCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCAATCT	221		
61	CAGTGAGCCCTTGGCGCTCAGCGTGAAACACTATAGTCCAGGATCCGCTCACATAAAATCTC	120		
220	CAGTGAGCCCTTGGCGCTCAGCGTGAAACACTATAGTCCAGGATCCGCTCACATAAAATCTC	161		
121	TAAGGCCT-CTTCCAGCCTTGCTCTCTGAAAACGCTGTAAAGGCACGTGYCTCTTCCTCTTGC	179		
160	TAAGGCCTCCTTCCAGCCTTGCTCTCTGAAAACGCTGTAAAGGCACGTGTCTCTTCCTCTTGC	101		
180	CTGTATCCAGCACCTGCCCCCAGCTCCAGCRCCTCTCGAGATCGACCGGTGCGACTCAGTT	239		
100	CTGTATCCAGCACCTGCCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTT	41		
240	CCGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	274		
40	CCGCCGTGTAGCTCTGTGCTCAGCAGCTTACACACT	6		

RESULT	13
BG023825/c	
LOCUS	
DEFINITION	BG023825 602303453F1 NIH_MGC_88 Homo sapiens cDNA clone IMAGE:4394965 5', mRNA sequence.
ACCESSION	BG023825
VERSION	BG023825.1 GI:12408861
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 786) NIH-MGC http://mgc.nci.nih.gov/. National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)
REFERENCE	Contact: Robert Strausberg, Ph.D. Email: cgapbs-rt@mail.nih.gov Tissue Procurement: ATCC CDNA Library Preparation: Life Technologies, Inc.
AUTHORS	
TITLE	
JOURNAL	
COMMENT	

cdna Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
Plate: LLAM10091 row: i column: 14
High quality sequence stop: 657.

ORIGIN

Query Match	86.5%;	Score 257;	DB 4;	Length 786;
Best Local Similarity	93.3%;	Pred. No. 1.2e-62;		
Matches 277;	Conservative	2;	Mismatches 17;	Indels 1; Gaps 1
QY	1	CCCCCTTCGCTAGGCCCTTT	CAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT	60
Db	645			
QY	61	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC	120	
Db	585			
QY	121	TAAGGCCCTCTCCAGCCCTTGTCTCTGAAACGGCTGTAAGCCACGTGYCTCTTCTCCTCTTGCC	180	
Db	526			
QY	181	TGTATCCAGCACCTTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240	
Db	466			
QY	241	CGCCTGTAGTCTGTGCTCAGCAGCTTACACACTGTGGGAGGAGAAACGTCCGGG	297	
Db	406			
QY	406	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACGCTTGCAAGTCTCACCGGATGGG	350	
Db				

RESULT 14	
BX391768	
LOCUS	BX391768 903 bp mRNA linear EST 28-APR-2004
DEFINITION	BX391768 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CSODI072YK16 3-PRIME, mRNA sequence.
ACCESSION	BX391768
VERSION	BX391768.1 GI:30615562
KEYWORDS	EST.
SOURCE	Homo sapiens (human)
ORGANISM	Homo sapiens
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS	1 (bases 1 to 903)
TITLE	Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
JOURNAL	Full-length cDNA libraries and normalization
COMMENT	Unpublished (2001) Contact: Genoscope Genoscope - Centre National de Sequencage BP 191 91006 EVRY cedex - France Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster

4346.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?s=CS0BAI027ZF06_CS02542_1&c=4346.f

FEATURES
source Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DI072YK16"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN
Query Match 84.0%; Score 249.6; DB 5; Length 903;
Best Local Similarity 97.4%; Pred. No. 1.7e-60;
Matches 260; Conservative 2; Mismatches 4; Indels 1; Gaps 1;
QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCTTGACCCCTTGGCATATCT 60
Db 544 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCTTGACCCCTTGGCATATCT 603
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 120
Db 604 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 663
QY 121 TAAGGCCTTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 664 TAAGGCCTTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 723
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTC-TCGAGATCGACCGGTGCGACTCAGTT 239
Db 724 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTTNTNGAGATCGACCGGTGCGACTCAGTT 783
QY 240 CCGCCTGTAGCTCTGTGCTCAGCAGCT 266
Db 784 TCGNCTGTAGCTCTGTGCTCAGCAGCT 810

RESULT 15
AV601357/c
LOCUS
DEFINITION
5', mRNA sequence.
AV601357
AV601357.1 GI:9723676
EST.
SOURCE
Bos taurus (cow)
ORGANISM
Bos taurus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos.
REFERENCE
1 (bases 1 to 580)
Takasuga,A., Hirotsune,S., Itoh,R., Jitohzono,A., Suzuki,H., Aso,H. and Sugimoto,Y.
Establishment of a high throughput EST sequencing system using poly(A) tail-removed cDNA libraries and determination of 36,000 bovine ESTs
JOURNAL
Nucleic Acids Res. 29 (22), E108 (2001)
MEDLINE
21570554
PUBMED
11713328
COMMENT
Contact: Yoshikazu Sugimoto
Animal Genetics Division
Shirakawa Institute of Animal Genetics
Odakura, Nishigo, Nishi-shirakawa, Fukushima 961-8061, Japan
Tel: 81-248-25-5641
Fax: 81-248-25-5725
Email: kazusugi@cocoa.ocn.ne.jp
Single pass sequencing.

This clone was obtained from a polyA-deleted cDNA library.

FEATURES
source Location/Qualifiers
1..580
/organism="Bos taurus"
/mol_type="mRNA"
/db_xref="taxon:9913"
/clone="E1KI003H01"
/tissue_type="kidney"
/dev_stage="fetus"
/lab_host="DH10B"
/clone_lib="Bos taurus kidney fetus"
/note="Vector: pZLL; Site_1: SalI; Site_2: NotI; Poly A was deleted from a NotI site"

ORIGIN
Query Match 78.0%; Score 231.6; DB 1; Length 580;
Best Local Similarity 89.8%; Pred. No. 2.2e-55;
Matches 246; Conservative 2; Mismatches 26; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 525 CCCCTTTCACACAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGCCCCCTTGGGGTATCT 466
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTC 120
Db 465 CAATGAGCCCTTGGGCTCAGCGTGAACACTGTAATCCAGGATCCGCTCACATAAAATTC 406
QY 121 TAAGGCCTTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 405 CAAGGCCTTTCCAGCCTTGTCTCTGAAACGCTGTAAGGGATGTGTCTCTTCTCTTGCC 346
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTT 240
Db 345 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGGCCAGTACGACTCAGCT 286
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 285 TTCTGTAGCTCCAGGCTCAGGAGTTTACATACT 252

Search completed: December 24, 2004, 20:29:46
Job time : 2986 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model
Run on: December 24, 2004, 17:37:50 ; Search time 2481 Seconds
(without alignments)
5661.040 Million cell updates/sec

Title: US-10-021-416A-1
Perfect score: 297
Sequence: 1 ccccttctgcactagcctt.....ggggaggagaaacgtccggg 297

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4526729 seqs, 23644849745 residues

Number of hits satisfying chosen parameters: 9053458

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

GenEmbl: *
1: gb_ba: *
2: gb_htg: *
3: gb_in: *
4: gb_om: *
5: gb_ov: *
6: gb_pat: *
7: gb_ph: *
8: gb_pl: *
9: gb_pr: *
10: gb_ro: *
11: gb_sts: *
12: gb_sy: *
13: gb_un: *
14: gb_vi: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	296.2	99.7	297	6	AX548049 Sequence
C 2	273.2	92.0	744	6	AR142811 Sequence
C 3	273.2	92.0	746	6	AX136616 Sequence
C 4	273.2	92.0	746	6	BD123856 Secretory
C 5	273.2	92.0	747	6	BD006701 Novel pol
C 6	273.2	92.0	1306	6	BD136414 95 human
C 7	273.2	92.0	1413	9	BC019903 Homo sapi
C 8	273.2	92.0	1419	6	AX136423 Sequence
C 9	273.2	92.0	1419	6	BD123666 Secretory
C 10	273.2	92.0	1419	9	AK075537 Homo sapi
C 11	273.2	92.0	1457	6	BD137191 Mammalian
C 12	273.2	92.0	1462	6	BD227243 Secreted
C 13	273.2	92.0	1470	6	AX376412 Sequence
C 14	273.2	92.0	1470	6	AX454716 Sequence
C 15	273.2	92.0	1470	6	AX491194 Sequence
C 16	273.2	92.0	1470	9	AY359100 Homo sapi
C 17	273.2	92.0	1512	6	AR142810 Sequence
C 18	273.2	92.0	1547	9	BC032339 Homo sapi
C 19	271.2	91.3	510	6	AX079702 Sequence

C 20	236.2	79.5	634	6	AX590166	AX590166 Sequence
C 21	233.2	78.5	443	6	BD137185	BD137185 Mammalian
C 22	211.4	71.2	1526	6	AX590165	AX590165 Sequence
C 23	168.2	56.6	1623	6	BD137186	BD137186 Mammalian
24	151.2	50.9	132764	9	AC073842	AC073842 Homo sapi
25	146.4	49.3	178455	2	AC146015	AC146015 Pan trogl
26	140.2	47.2	167854	2	AC092483	AC092483 Homo sapi
C 27	128.2	43.2	371	6	BD137184	BD137184 Mammalian
C 28	109.6	36.9	242451	2	AC132657	AC132657 Rattus no
C 29	109.6	36.9	268982	2	AC129692	AC129692 Rattus no
C 30	103.2	34.7	607	11	G78159	G78159 S210P6250FE
C 31	103.2	34.7	128185	2	AC087144	AC087144 Mus muscu
C 32	103.2	34.7	209958	2	AC087135	AC087135 Mus muscu
C 33	67.4	22.7	750	6	CQ594210	CQ594210 Sequence
C 34	67.4	22.7	1286	3	AY060987	AY060987 Drosophil
C 35	67.4	22.7	2750	6	CQ594209	CQ594209 Sequence
C 36	67.4	22.7	3274	6	CQ594206	CQ594206 Sequence
C 37	67.4	22.7	76187	2	AC015219	AC015219 Drosophil
C 38	67.4	22.7	175963	3	AC009379	AC009379 Drosophil
C 39	67.4	22.7	279088	3	AE003518	AE003518 Drosophil
C 40	52.2	17.6	2763	5	BC073680	BC073680 Xenopus l
C 41	50.4	17.0	1882	10	BC013549	BC013549 Mus muscu
C 42	50.4	17.0	1909	10	AF361644	AF361644 Mus muscu
C 43	48.8	16.4	580	6	AX198865	AX198865 Sequence
C 44	48.8	16.4	580	6	AX209392	AX209392 Sequence
C 45	48.4	16.3	917	5	CR524291	CR524291 Gallus ga

ALIGNMENTS

RESULT 1
AX548049
LOCUS AX548049 297 bp DNA linear PAT 26-NOV-2002
DEFINITION Sequence 1 from Patent WO0236793.
ACCESSION AX548049
VERSION AX548049.1 GI:25813145
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1
AUTHORS Phillips,R., Reeder,T.C. and Allen,K.D.
TITLE Secreted protein associated with depression; composition and methods of use thereof
JOURNAL Patent: WO 0236793-A 1 10-MAY-2002;
Deltagen, Inc. (US)
FEATURES
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match	99.7%	Score 296.2;	DB 6;	Length 297;
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Matches 297;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy 1	CCCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCCCTTGGCATATCT	60		
Db 1	CCCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCCCTTGGCATATCT	60		
Qy 61	CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC	120		
Db 61	CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC	120		
Qy 121	TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGTGYCTCTTCTCTTGGCC	180		
Db 121	TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGTGYCTCTTCTCTTGGCC	180		
Qy 181	TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTTCGAGATCGACCGGTGCGACTCAGTTC	240		

Db	181	TGATCCAGCACCTGCCCCAGCTCCAGCRCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACTGGTGGGAGGAGAAACGTCCGGG	297
Db	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACTGGTGGGAGGAGAAACGTCCGGG	297
RESULT 2			
AR142811/c			
LOCUS	AR142811	744 bp	DNA linear PAT 08-AUG-2001
DEFINITION	Sequence 3 from patent US 6204013.		
ACCESSION	AR142811		
VERSION	AR142811.1	GI:15104097	
KEYWORDS	.		
SOURCE	Unknown.		
ORGANISM	Unknown.		
REFERENCE	1 (bases 1 to 744)		
AUTHORS	Khodadoust,M.M.		
FILE	MSP-5 nucleic acid molecules and uses therefor		
JOURNAL	Patent: US 6204013-A 3 20-MAR-2001;		
FEATURES	Location/Qualifiers		
source	1..744		
	/organism="unknown"		
	/mol_type="unassigned DNA"		
ORIGIN			
Query Match	92.0%;	Score 273.2;	DB 6; Length 744;
Best Local Similarity	99.3%;	Pred. No. 8.8e-68;	
Matches	272;	Conservative 2;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	CCCCCTTCTGCACCTAGGCCCTTTTCAGTGTGCCATGGTCTGACTCTTGACCCCTTGGCATAATCT	60
Db	390	CCCCCTTCTGCACCTAGGCCCTTTTCAGTGTGCCATGGTCTGACTCTTGACCCCTTGGCATAATCT	331
Qy	61	CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTTCTC	120
Db	330	CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTTCTC	271
Qy	121	TAAGGCCTCTTCCAGCCTTGTCTCTGTAAGACGCTGTAAAGCACGTGYCTCTTCCCTCTTGCC	180
Db	270	TAAGGCCTCTTCCAGCCTTGTCTCTGTAAGACGCTGTAAAGCACGTGTCTTCTTCCCTCTTGCC	211
Qy	181	TGTATCCAGCACCTGCCCCAGCTCCAGCRCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240
Db	210	TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC	151
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	274
Db	150	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	117
RESULT 3			
AX136616/c			
LOCUS	AX136616	746 bp	DNA linear PAT 30-MAY-2001
DEFINITION	Sequence 538 from Patent EP1067182.		
ACCESSION	AX136616		
VERSION	AX136616.1	GI:14273020	
KEYWORDS	.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
	1	Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,T. and Hayashi,K.	
TITLE	Secretory protein or membrane protein		
JOURNAL	Patent: EP 1067182-A 538 10-JAN-2001;		
FEATURES	Helix Research Institute (JP)		
source	Location/Qualifiers		
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Db	10,		
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FH Key	Location/Qualifiers		
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FEATURES	Location/Qualifiers		
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Best Local Similarity	99.3%;	Pred. No. 8.8e-68;	
Matches	272;	Conservative 2;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	CCCCCTTCTGCACCTAGGCCCTTTTCAGTGTGCCATGGTCTGACTCTTGACCCCTTGGCATAATCT	60
Db	447	CCCTTCTGCACCTAGGCCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATAATCT	388
Qy	61	CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAAATTTCTC	120
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Qy	121	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGCACGTGYCTCTTCCCTCTTGCC	180
Db	327	TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGCACGTGTCTTCTTCCCTCTTGCC	268
Qy	181	TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240
Db	267	TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC	208
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	274
Db	207	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	174

RESULT 4			
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LOCUS	BD123856	746 bp	DNA linear PAT 18-SEP-2002
DEFINITION	Secretory protein or membrane protein.		
ACCESSION	BD123856		
VERSION	BD123856.1	GI:23218801	
KEYWORDS	JP 2002017376-A/365.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
AUTHORS	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
	1 (bases 1 to 746)		
	Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,T. and Hayashi,K.		
TITLE	Secretory protein or membrane protein		
JOURNAL	Patent: JP 2002017376-A 365 22-JAN-2002;		
COMMENT	HELIIX RESEARCH INSTITUTE		
	OS	Homo sapiens (human)	
	PN	JP 2002017376-A/365	
	PD	22-JAN-2002	
	PF	07-JUL-2000 JP 2000253173	
	PI	TOSHIO OTA,TAKAO ISOGAI,TETSUO NISHIKAWA,YURI KAWAI,TOMOYASU	
	PI	SUGIYAMA,	
	PI	KOJI HAYASHI	
	PC		
	C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/	PC	
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	PC	C12P21/02,C12Q1/68//C12P21/08,C12N15/00,C12N5/00	CC
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Query Match	92.0%;	Score 273.2;	DB 6; Length 746;
Best Local Similarity	99.3%;	Pred. No. 8.8e-68;	
Matches	272;	Conservative 2;	Mismatches 0; Indels 0; Gaps 0;
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Db 447 CCCCTTCTGCAC TAGGCCTTT CAGTGTG CCAATGGTCTGACTCTGACCCCTTGGCATATCT 388
Qy 61 CAGTGAGCCCTTGGCTCAGCGTGACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 387 CAGTGAGCCCTTGGCTCAGCGTGACACTATAGTCCAGGATCCGCTCACATAAATTC 328
Qy 121 TAAGGCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGCTGCTCTTCTCTTGGC 180
Db 327 TAAGGCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGCTGCTCTTCTCTTGGC 268
Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db 267 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC 208
Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 207 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 174

RESULT 5
BD006701/c
DEFINITION Novel polypeptide.
ACCESSION BD006701
VERSION BD006701.1 GI:18635072
KEYWORDS JP 2001029090-A/4.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS Ito,Y., Mogi,S., Tanaka,H., Okubo,S. and Ogi,K.
TITLE Novel polypeptide
JOURNAL Patent: JP 2001029090-A 4 06-FEB-2001;
TAKEDA CHEMICAL INDUSTRIES LTD
COMMENT OS Homo sapiens (human)
PN JP 2001029090-A/4
PD 06-FEB-2001
PF 19-MAY-2000 JP 2000147530
PR
PI YASUAKI ITO, SHINICHI MOGI, HIDEYUKI TANAKA, SHOICHI OKUBO, PI KAZUHIRO OGI
PC C12N15/09, A61K38/00, A61K39/395, A61K39/395, A61K45/00, A61K48/00, PC A61P1/00, A61P5/00, A61P9/00, A61P11/00, A61P25/00, A61P25/18, A61P31/00, PC A61P35/00,
PC A61P37/00, C07K14/47, C07K16/18, C12P21/02, G01N33/15, G01N33/50, PC G01N33/566//
PC C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12P21/08, (C12P21/02, PC C12R1:91),
PC (C12N5/10, C12R1:91), (C12P21/08, C12R1:91), C12N15/00, A61K37/02, PC C12N5/00,
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ORIGIN
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Best Local Similarity 99.3%; Pred. No. 8.8e-68;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Db 330 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCCGCTCACATAAATTC 271
Qy 121 TAAGGCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGCTGCTCTTCTCTTGGC 180
Db 270 TAAGGCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGCTGCTCTTCTCTTGGC 211
Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
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Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 150 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 117

RESULT 6
BD136414/c
LOCUS BD136414 1306 bp DNA linear PAT 18-SEP-2002
DEFINITION 95 human secretory proteins.
ACCESSION BD136414
VERSION BD136414.1 GI:23231359
KEYWORDS JP 2002506627-A/101.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
AUTHORS Ruben,S.M., Ni,J., Rosen,C.A., Yu,G.L., Young,P.E., Fen,P., Soppet,D.R., Wei,Y.F., Endress,G.A., Duan,R.D., Kyaw,H., Ebner,R., Lafleur,D.W., Olsen,H.S., Shi,Y. and Moore,P.A.
TITLE 95 human secretory proteins
JOURNAL Patent: JP 2002506627-A 101 05-MAR-2002;
HUMAN GENOME SCIENCES INC
COMMENT OS Homo sapiens (human)
PN JP 2002506627-A/101
PD 05-MAR-2002
PF 18-MAR-1999 JP 2000536733
PR 19-MAR-1998 US 60/078566, 19-MAR-1998 US 60/078576 PR 19-MAR-1998 US 60/078573, 19-MAR-1998 US 60/078574 PR 19-MAR-1998 US 60/078579, 19-MAR-1998 US 60/078578 PR 19-MAR-1998 US 60/078581, 19-MAR-1998 US 60/078577 PR 19-MAR-1998 US 60/078563, 01-APR-1998 US 60/080314 PR 01-APR-1998 US 60/080312, 01-APR-1998 US 60/080313 PI STEVEN M RUBEN, JIAN NI, CRAIG A ROSEN, GUO LIANG YU, PAUL E YOUNG,
PI PING FENG,
PI DANIEL R SOPPET, YING FEI WEI, GREGORY A ENDRESS, ROXANNE D DUAN,
PI HLA KYAW,
PI REINHARD EBNER, DAVID W LAFLEUR, HENRIK S OLSEN, YANGGU SHI, PAUL A MOORE
PC C12N15/09, A61K38/00, A61K48/00, A61P43/00, C07K14/47, C07K16/18, PC C12N1/15,
PC C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12Q1/68, G01N33/53, G01N33/566,
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ORIGIN
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Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Db 488 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATAATCT 429
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 428 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 369
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Db 368 TAAGGCCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGCACGCTGTCTTCTCTTGCC 309
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QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 248 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 215

RESULT 7
BC019903/c
LOCUS 1413 bp mRNA linear PRI 22-JAN-2002
DEFINITION Homo sapiens, clone IMAGE:4991480, mRNA, partial cds.
ACCESSION BC019903
VERSION BC019903.1 GI:18043798
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1413)
Strausberg,R.
Direct Submission
Submitted (19-DEC-2001) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgapbs-remail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome
Sequencing Center
Center code: BCM-HGSC
Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
Contact: amg@bcm.tmc.edu
Gunarathne, P.H.; Garcia, A.M., Lu, X., Hulyk, S.W., Hale, S.M.,
Yoon, V.S., Kowis, C.R., Lawrence, S., Martin, R.G., Muzny, D.M.,
Richards, S., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
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Best Local Similarity 99.3%; Pred. No. 8.8e-68;
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Db 447 CCCCTTCTGCACTAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATAATCT 388
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120

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Best Local Similarity 99.3%; Pred. No. 8.8e-68;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATAATCT 60
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QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTCCGACTCAGTTC 240
Db 243 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTCCGACTCAGTTC 184
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 183 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 150

RESULT 8
AX136423/c
LOCUS AX136423 1419 bp DNA linear PAT 30-MAY-2001
DEFINITION Sequence 345 from Patent EP1067182.
ACCESSION AX136423
VERSION AX136423.1 GI:14272827
KEYWORDS .
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
Ota,T., Isogai,T., Nishikawa,T., Kawai,Y., Sugiyama,T. and
Hayashi,K.
Secretory protein or membrane protein
Patent: EP 1067182-A 345 10-JAN-2001;
Helix Research Institute (JP)
Location/Qualifiers
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ORIGIN
Query Match 92.0%; Score 273.2; DB 6; Length 1419;
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QY 1 CCCCTTCTGCACTAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATAATCT 60
Db 447 CCCCTTCTGCACTAGGCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATAATCT 388
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120

Accession	Position	Sequence	Length
Db	387	CAGTGAGCCCTTGGCGTCAGCGTGAACACATATAGTCCAGGATCCGCTCACATAAATTCTC	328
Qy	121	TAAGGCCCTCTCCAGCCCTTGCTCTTGAAACGCTGTAAGGCACGCTGCTCTTCCCTCTTGCC	180
Db	327	TAAGGCCCTCTTCCAGCCCTTGCTCTTGAAACGCTGTAAGGCACGCTGCTCTTCCCTCTTGCC	268
Qy	181	TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240
Db	267	TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC	208
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	274
Db	207	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	174

RESULT 9	BD123666/c	BD123666	1419 bp	DNA	linear	PAT 18-SEP-2002
LOCUS	BD123666					
DEFINITION	Secretory protein or membrane protein.					
ACCESSION	BD123666					
VERSION	BD123666.1	GI:23218611				
KEYWORDS	JP 2002017376-A/175.					
SOURCE	Homo sapiens (human)					
ORGANISM	Homo sapiens					
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.					
AUTHORS	1 (bases 1 to 1419) Ota, T., Isogai, T., Nishikawa, T., Kawai, Y., Sugiyama, T. and Hayashi, K.					

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Query Match	92.0%;	Score 273.2;	DB 6;	Length 1419;
Best Local Similarity	99.3%;	Pred. No. 8.8e-68;		
Matches 272; Conservative	2;	Mismatches 0;	Indels 0;	Gaps 0;

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Dd	447	CCCCCTTCTGCAC	TAGGCCCTTT	CAGTGTTG	CCCATGGTCT	GACTCTG	ACCCCTTGGC	CATATCT	388
Qy	61	CAGTGAGCCCCTT	GCGCTCAG	CGTGAA	CACATATA	GTCCAGG	ATCCGTC	CACATAAATTCTC	120
Dd	387	CAGTGAGCCCCTT	GCGCTCAG	CGTGAA	CACATATA	GTCCAGG	ATCCGTC	CACATAAATTCTC	328
Qy	121	TAAGGCCTCTTCC	CAGCCTTGTCT	CTGA	AACGCTGT	AAGGC	ACGTGYCT	CTTCTCTTGCC	180
Dd	327	TAAGGCCTCTTCC	CAGCCTTGTCT	CTGA	AACGCTGT	AAGGC	ACGTGYCT	CTTCTCTTGCC	268
Qy	181	TGTATCCAGCAC	CTGCCCA	GCTCC	CAGRCCTCT	CTGAG	ATCGA	CCGGTGGCACTCAGTTC	240
Dd	267	TGTATCCAGCAC	CTGCCCA	GCTCC	CAGRCCTCT	CTGAG	ATCGA	CCGGTGGCACTCAGTTC	208

Qy	241	CGCTGTAGCTCTGTGCTCAGCAGCTTACACACT	274		
Db	207	CGCTGTAGCTCTGTGCTCAGCAGCTTACACACT	174		

RESULT 10					
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LOCUS	AK075537	1419 bp	mRNA	linear	PRI 03-SEP-2002
DEFINITION	Homo sapiens	cdna PSEC0237	fis,	clone HEMBA1007186,	weakly similar
				to Homo sapiens CTG4a mRNA.	

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Query Match          92.0%; Score 273.2; DB 9; Length 1419;
Best Local Similarity 99.3%; Pred. No. 8.8e-68;
Matches 272: Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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Db	447	CCCCCTTCGCACTAGGCCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT	388
Qy	61	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC	120
Db	387	CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC	328
Qy	121	TAAGGCCTCTTCCAGCCTTGTCTCTGAACGCTGTAAGGCACGTGYCTCTTCTCTTTGCC	180
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Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
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Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 207 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 174

RESULT 11
BD137191/c
LOCUS BD137191 1457 bp DNA linear PAT 18-SEP-2002
DEFINITION Mammalian calcitonin-like polypeptide-1.
ACCESSION BD137191
VERSION BD137191.1 GI:23232136
KEYWORDS JP 2002508170-A/8.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1457)
AUTHORS Sheppard,P.O., Moore,E.E. and Raymond,F.C.
TITLE Mammalian calcitonin-like polypeptide-1
JOURNAL Patent: JP 2002508170-A 8 19-MAR-2002;
ZYMOGENETICS INC
COMMENT OS Homo sapiens (human)
PN JP 2002508170-A/8
PD 19-MAR-2002
PF 18-DEC-1998 JP 2000539054
PR 18-DEC-1997 US 08/993935
PI PAUL O SHEPPARD,EMMA E MOORE,FENELLA C RAYMOND PC
C12N15/09,C07K14/585,C07K16/26,C07K16/42//C12P21/02,C12P21/08, PC
C12N15/00
CC Mammalian calcitonin-like polypeptide-1
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FT CDS (63)..(806).
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/mol_type="genomic DNA"
/db_xref="taxon:9606"

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Db 452 CCCCTTCTGCACCTAGGCCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 393

Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
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RESULT 12
BD227243/c
LOCUS BD227243 1462 bp DNA linear PAT 17-JUL-2003
DEFINITION Secreted proteins and polynucleotides encoding them.
ACCESSION BD227243

VERSION BD227243.1 GI:33037013
KEYWORDS JP 2002522062-A/4.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1462)
AUTHORS Jacobs,K., McCooy,J.M., Lavallie,E.R., Racie,L.A.C., Evans,C.,
Merberg,D., Treacy,M., Agostino,M.J., Ii,R.J.S., Spaulding,V.,
Wong,G.G., Clark,H.F. and Fechtel,K.
TITLE Secreted proteins and polynucleotides encoding them
JOURNAL Patent: JP 2002522062-A 4 23-JUL-2002;
GENETICS INSTITUTE INC
COMMENT OS Homo sapiens (human)
PN JP 2002522062-A/4
PD 23-JUL-2002
PF 13-AUG-1999 JP 2000565001
PR 14-AUG-1998 US 60/096622,17-AUG-1998 US 60/096815 PR
04-SEP-1998 US 60/099229,23-OCT-1998 US 60/105368 PR
08-JAN-1999 US 60/115234,12-FEB-1999 US 60/119931 PR
18-FEB-1999 US 60/120575,30-APR-1999 US 60/132020 PR
11-AUG-1999 US 60/148424
PI KENNETH JACOBS,JOHN M MCCOY,EDWARD R LAVALLIE,LISA A COLLINS
PI RACIE,
PI CHERYL EVANS,DAVID MERBERG,MAURICE TREACY,MICHAEL J AGOSTINO,
PI ROBERT J STEININGER II,VIKKI SPAULDING,GORDON G WONG,HILARY F
PI CLARK,
PI KIM FECHTEL
PC C12N15/09,A61K38/00,A61K39/395,A61K39/395,A61K45/00,A61K48/00,
PC A61P7/00,
PC A61P7/02,A61P7/04,A61P7/06,A61P13/00,A61P29/00,A61P35/00, PC
A61P37/02,
PC A61P43/00,A61P43/00,C07K14/47,C12N5/10,C12P21/02,G01N33/15, PC
G01N33/50,
PC C12N15/00,C12N5/00,A61K37/02
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Location/Qualifiers
FT source 1..1462
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Query Match 92.0%; Score 273.2; DB 6; Length 1462;
Best Local Similarity 99.3%; Pred. No. 8.8e-68;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db 415 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 356

Qy 121 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGACGTYCTCTTCTTGTGCC 180
Db 355 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGACGTYCTCTTCTTGTGCC 296

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RESULT 13
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LOCUS AX376412 1470 bp DNA linear PAT 01-MAR-2002
DEFINITION Sequence 479 from Patent WO0168848.
ACCESSION AX376412
VERSION AX376412.1 GI:19170596
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 Baker,K.P., Chen,J., Desnoyers,L., Goddard,A., Godowski,P.J.,
AUTHORS Gurney,A.L., Pan,J., Smith,V., Watanabe,C.K., Wood,W.I. and
Zhang,Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 0168848-A 479 20-SEP-2001;
Genentech, Inc. (US)
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source Location/Qualifiers
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/mol_type="unassigned DNA"
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Query Match 92.0%; Score 273.2; DB 6; Length 1470;
Best Local Similarity 99.3%; Pred. No. 8.8e-68;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Db 257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224
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LOCUS AX454716 1470 bp DNA linear PAT 06-JUL-2002
DEFINITION Sequence 301 from Patent WO208284.
ACCESSION AX454716
VERSION AX454716.1 GI:21713982
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 Baker,K.P., Ferrara,N., Gerber,H., Gerritsen,M.E., Goddard,A.,
AUTHORS Godowski,P.J., Gurney,A.L., Hillan,K.J., Marsters,S.A., Pan,J.,
Paoni,N.F., Stephan,J.P., Watanabe,C.K., Williams,P.M., Wood,W.I.
and Ye,W.
TITLE Compositions and methods for the diagnosis and treatment of
disorders involving angiogenesis
JOURNAL Patent: WO 0208284-A 301 31-JAN-2002;
Genentech, Inc. (US); Baker, Kevin P. (US); Ferrara, Napoleone
(US); Gerber, Hanspeter (US); Gerritsen, Mary E. (US); Goddard,
Audrey (US); Godowski, Paul J. (US); Gurney, Austin L. (US);
Hillan, Kenneth J. (US); Marsters, Scot A. (US); Pan, James (US)
; Paoni, Nicholas F. (US); Stephan, Jean-Philippe F. (US) ;

Watanabe, Colin K. (US) ; Williams, P. Mickey (US) ; Wood, William
I. (US)
FEATURES
source Location/Qualifiers
1. .1470
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ORIGIN
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Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC 120
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Qy 121 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTTCTCTTGGCC 180
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LOCUS AX491194 1470 bp DNA linear PAT 16-AUG-2002
DEFINITION Sequence 301 from Patent WO200690.
ACCESSION AX491194
VERSION AX491194.1 GI:22323934
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 Baker,K.P., Ferrara,N., Gerber,H., Gerritsen,M.E., Goddard,A.,
AUTHORS Godowski,P.J., Gurney,A.L., Hillan,K.J., Marsters,S.A., Pan,J.,
Paoni,N.F., Stephan,J.P., Watanabe,C.K., Williams,P.M., Wood,W.I.
and Ye,W.
TITLE Compositions and methods for the diagnosis and treatment of
disorders involving angiogenesis
JOURNAL Patent: WO 020690-A 301 03-JAN-2002;
Genentech, Inc. (US)
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source Location/Qualifiers
1. .1470
/organism="Homo sapiens"
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Query Match 92.0%; Score 273.2; DB 6; Length 1470;
Best Local Similarity 99.3%; Pred. No. 8.8e-68;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGTCATGCTGACCTGACCCCTTGGCATATCT 60
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Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
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Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224

GenCore version 5.1.6
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SUMMARIES

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7	273.2	92.0	1462	16	US-10-616-263-7
8	273.2	92.0	1470	10	US-09-931-836-58
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10	273.2	92.0	1470	13	US-10-052-586-479
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C 18	273.2	92.0	1470	14	US-10-176-749-479	Sequence 479, App
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C 20	273.2	92.0	1470	14	US-10-176-915-479	Sequence 479, App
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C 27	273.2	92.0	1470	14	US-10-180-552-479	Sequence 479, App
C 28	273.2	92.0	1470	14	US-10-180-557-479	Sequence 479, App
C 29	273.2	92.0	1470	14	US-10-173-700-479	Sequence 479, App
C 30	273.2	92.0	1470	14	US-10-174-572-479	Sequence 479, App
C 31	273.2	92.0	1470	14	US-10-174-579-479	Sequence 479, App
C 32	273.2	92.0	1470	14	US-10-174-582-479	Sequence 479, App
C 33	273.2	92.0	1470	14	US-10-174-588-479	Sequence 479, App
C 34	273.2	92.0	1470	14	US-10-175-739-479	Sequence 479, App
C 35	273.2	92.0	1470	14	US-10-175-740-479	Sequence 479, App
C 36	273.2	92.0	1470	14	US-10-175-743-479	Sequence 479, App
C 37	273.2	92.0	1470	14	US-10-176-488-479	Sequence 479, App
C 38	273.2	92.0	1470	14	US-10-176-492-479	Sequence 479, App
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ALIGNMENTS

RESULT 1
US-10-021-416A-1
; Sequence 1, Application US/10021416A
; Publication No. US20030066098A1
; GENERAL INFORMATION:
; APPLICANT: Phillips, Russell
; APPLICANT: Reeder, Thadd C.
; APPLICANT: Allen, Keith
; TITLE OF INVENTION: Secreted Protein Associations and Methods of Use Thereof
; FILE REFERENCE: R-236
; CURRENT APPLICATION NUMBER: US/10/021,416A
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: US 60/245,852
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 297
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-021-416A-1

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RESULT 2

US-09-799-777-140/c
; Sequence 140, Application US/09799777
; Patent No. US20020091244A1
; GENERAL INFORMATION:
; APPLICANT: Lal, Preeti Hillman, Jennifer L.
; Corley, Neil C.
; Guegler, Karl J.
; Baugh, Mariah
; Sather, Susan
; Shah, Purvi
; TITLE OF INVENTION: HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS
; NUMBER OF SEQUENCES: 154
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/799,777
; FILING DATE: 06-Mar-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/002,485
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: BILLINGS, LUCY J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PP-0459 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 140:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 717 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: ADRETUT06
; CLONE: 2821925
; SEQUENCE DESCRIPTION: SEQ ID NO: 140 :

Query Match 92.0%; Score 273.2; DB 9; Length 717;
Best Local Similarity 99.3%; Pred. No. 1e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3

US-09-397-945-102/c
; Sequence 102, Application US/09397945
; Publication No. US20030065139A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc. et al.
; TITLE OF INVENTION: 95 Human secreted proteins
; FILE REFERENCE: PZ027P1
; CURRENT APPLICATION NUMBER: US/09/397,945
; CURRENT FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: PCT/US99/05804
; PRIOR FILING DATE: 1999-03-18
; PRIOR APPLICATION NUMBER: 60/078,566
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,576
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,573
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,574
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,579
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/080,314
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080,312
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/078,578
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,581
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,577
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,563
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/080,313
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 470
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 102
; LENGTH: 1306
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1300)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-397-945-102

Query Match 92.0%; Score 273.2; DB 10; Length 1306;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATACT 60
|
Db 488 CCCCTTCTGCACTAGGCCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATACT 429
|

QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 428 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 369
QY 121 TAAGGCCCTTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTCC 180
Db 368 TAAGGCCCTTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTCC 309
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db 308 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 249
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 248 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 215

RESULT 4

US-10-653-595-102/c
; Sequence 102, Application US/10653595
; Publication No. US20040048304A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et. al.
; TITLE OF INVENTION: 95 Human secreted proteins
; FILE REFERENCE: P2027P1C1
; CURRENT APPLICATION NUMBER: US/10/653,595
; CURRENT FILING DATE: 2003-09-03
; PRIOR APPLICATION NUMBER: US 09/397945
; PRIOR FILING DATE: 1999-09-17
; PRIOR APPLICATION NUMBER: PCT/US99/05804
; PRIOR FILING DATE: 1999-03-18
; PRIOR APPLICATION NUMBER: 60/078,566
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,576
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,573
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,574
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/078,579
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 60/080,314
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/080,312
; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/078,578
; PRIOR FILING DATE: 1998-03-19
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 470
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 102
; LENGTH: 1306
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1300)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-653-595-102

Query Match 92.0%; Score 273.2; DB 16; Length 1306;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 488 CCCCTTCTGCACTAGGCCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 429
QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 428 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 369
QY 121 TAAGGCCCTTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTCC 180

Db 368 TAAGGCCCTTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTCC 309
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db 308 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 249
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 248 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 215

RESULT 5

US-09-846-573B-10/c
; Sequence 10, Application US/09846573B
; Patent No. US20020077467A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Moore, Emma E.
; APPLICANT: Raymond, Fenella
; TITLE OF INVENTION: Mammalian Calcitonin-like Polypeptide-1
; FILE REFERENCE: 97-73C1
; CURRENT APPLICATION NUMBER: US/09/846,573B
; CURRENT FILING DATE: 2001-05-01
; PRIOR APPLICATION NUMBER: 09/213,634
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: 60/069,976
; PRIOR FILING DATE: 1997-12-18
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 1457
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (63)... (806)
US-09-846-573B-10

Query Match 92.0%; Score 273.2; DB 9; Length 1457;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 452 CCCCTTCTGCACTAGGCCCTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 393
QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 392 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 333
QY 121 TAAGGCCCTTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTCC 180
Db 332 TAAGGCCCTTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTCC 273
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db 272 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 213
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 212 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 179

RESULT 6

US-09-374-046A-7/c
; Sequence 7, Application US/09374046A
; Publication No. US20030096951A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.

; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6075-83A
; CURRENT APPLICATION NUMBER: US/09/374,046A
; CURRENT FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 1462
; TYPE: DNA
; ORGANISM: Homo sapiens
; 09-374-046A-7

Query Match 92.0%; Score 273.2; DB 10; Length 1462;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 475 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 416

QY 61 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCGCGTGCAGTAAATTC 120
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 415 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCGCGTGCAGTAAATTC 356

QY 121 TAAGGCCTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGCTGTCTTCTCTTGGC 180
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 355 TAAGGCCTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGCTGTCTTCTCTTGGC 296

QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 295 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 236

QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 235 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 202

; US-10-616-263-7/c
; Sequence 7, Application US/10616263
; Publication No. US20040038276A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallie, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Agostino, Michael J.
; APPLICANT: Steininger II, Robert J.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Wong, Gordon G.
; APPLICANT: Clark, Hilary
; APPLICANT: Fechtel, Kim
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: 00766.000103.5
; CURRENT APPLICATION NUMBER: US/10/616,263
; CURRENT FILING DATE: 2003-07-08
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7

; LENGTH: 1462
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-616-263-7

Query Match 92.0%; Score 273.2; DB 16; Length 1462;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 475 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 416

QY 61 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCGCGTGCAGTAAATTC 120
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 415 CAGTGAGCCCTTGGCTCAGCGTGAAACACTATAGTCCAGGATCGCGTGCAGTAAATTC 356

QY 121 TAAGGCCTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGCTGTCTTCTCTTGGC 180
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 355 TAAGGCCTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGCTGTCTTCTCTTGGC 296

QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 295 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 236

QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 235 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 202

RESULT 8
US-09-931-836-58/c
; Sequence 58, Application US/09931836
; Publication No. US20030027249A1
; GENERAL INFORMATION:
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3030R1C1
; CURRENT APPLICATION NUMBER: US/09/931,836
; CURRENT FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/112514
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113300
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113430
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/114140
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115552
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/116843
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/125774
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/125778
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/125826

; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/127035
; PRIOR FILING DATE: 1999-03-31
; PRIOR APPLICATION NUMBER: 60/127706
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/129122
; PRIOR FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/130359
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131272
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/132371
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/132379
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/132383
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/135750
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/138166
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 60/144791
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/146970
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/162506
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 09/311832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/380142
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/644848
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 09/747259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/816744
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 09/854208
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/854280
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/874503
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 09/869599
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 09/908,827
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US99/10733
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: PCT/US99/28551
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30720
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: PCT/US00/05601
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20

; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-08-28
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 58
; LENGTH: 1470
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-931-836-58

Query Match 92.0%; Score 273.2; DB 10; Length 1470;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACCTAGGCTTTTTCAGTGTGCGCATGGTCTGACTCTGACCGCTTGGCATATCT 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
497 CCCCTTCTGCACCTAGGCTTTTTCAGTGTGCGCATGGTCTGACTCTGACCGCTTGGCATATCT 438

QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
437 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 378

QY 121 TAAGGCCCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGCAGTGYCTCTTCTCTTGCC 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
377 TAAGGCCCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGCAGTGYCTCTTCTCTTGCC 318

QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
317 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 258

QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224

RESULT 9
US-10-036-342-58/c
; Sequence 58, Application US/10036342
; Publication No. US20020090681A1
; GENERAL INFORMATION:
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3030R1C5
; CURRENT APPLICATION NUMBER: US/10/036,342
; CURRENT FILING DATE: 2001-12-26
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/112514
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113300
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113430
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621

;
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/114140
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115552
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/116843
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/125774
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/125778
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/125826
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/127035
; PRIOR FILING DATE: 1999-03-31
; PRIOR APPLICATION NUMBER: 60/127706
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/129122
; PRIOR FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/130359
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131272
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/132371
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/132379
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/132383
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/135750
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/138166
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 60/144791
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/146970
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/162506
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 09/311832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/380142
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/644848
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 09/747259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/816744
; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 09/854208
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/854280
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/874503
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 09/869599
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 09/908,827
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US99/10733
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: PCT/US99/28551
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30720
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: PCT/US00/05601
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02

;
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 58
; LENGTH: 1470
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-036-342-58

Query Match 92.0%; Score 273.2; DB 13; Length 1470;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CCCCCTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT	60
Db	497	CCCCCTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT	438
Qy	61	CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGATCCGCTCACATAAATTC	120
Db	437	CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGATCCGCTCACATAAATTC	378
Qy	121	TAAGGCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGCTGCTCTTCCCTCTTGCC	180
Db	377	TAAGGCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGACGCTGCTCTTCCCTCTTGCC	318
Qy	181	TGTATCCAGCACCTGCCCGAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240
Db	317	TGTATCCAGCACCTGCCCGAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC	258
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	274
Db	257	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT	224

RESULT 10

US-10-052-586-479/c
; Sequence 479, Application US/10052586
; Publication No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1

[illegible]

;
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088722
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Query Match 92.0%; Score 273.2; DB 13; Length 1470;

Best Local Similarity 99.3%; Pred. No. 1.2e-81;

Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGCCATATCT 60
Db |||||
497 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGCCATATCT 438
61 CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC 120
437 CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC 378
121 TAAGGCCTTCTCAGCCCTTGTCTCTGAAACGCTGAAGGCACGTGYCTCTTCTCTTGCC 180
Db |||||
377 TAAGGCCTTCTCAGCCCTTGTCTCTGAAACGCTGAAGGCACGTGTCTCTCTCTTGCC 318
181 TGTATCCAGCACTGCCCCCAGCTCCAGCRCTCTCGAGATCGACCCGCTGCGACTCAGTTC 240
Db |||||
317 TGTATCCAGCACTGCCCCCAGCTCCAGCACCTCTCGAGATCGACCCGCTGCGACTCAGTTC 258
241 CGCCTGTAGCTGTGTGCTCAGCAGCTTACACACT 274
Db |||||
257 CGCCTGTAGCTGTGTGCTCAGCAGCTTACACACT 224

RESULT 11

US-10-036-041-58/c

; Sequence 58, Application US/10036041

; Publication No. US20020192751A1

; GENERAL INFORMATION:

; APPLICANT: Desnoyers,Luc

; APPLICANT: Eaton,Dan L.

; APPLICANT: Goddard,Audrey

; APPLICANT: Godowski,Paul J.

; APPLICANT: Gurney,Austin L.

;
; APPLICANT: Pan,James
; APPLICANT: Stewart,Timothy A.
; APPLICANT: Watanabe,Colin K.
; APPLICANT: Wood,William I.
; APPLICANT: Zhang,Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3030R1C8
; CURRENT APPLICATION NUMBER: US/10/036,041
; CURRENT FILING DATE: 2001-12-26
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/112514
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113300
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: 60/113430
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113605
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/113621
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/114140
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: 60/115552
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/116843
; PRIOR FILING DATE: 1999-01-22
; PRIOR APPLICATION NUMBER: 60/125774
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/125778
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/125826
; PRIOR FILING DATE: 1999-03-24
; PRIOR APPLICATION NUMBER: 60/127035
; PRIOR FILING DATE: 1999-03-31
; PRIOR APPLICATION NUMBER: 60/127706
; PRIOR FILING DATE: 1999-04-05
; PRIOR APPLICATION NUMBER: 60/129122
; PRIOR FILING DATE: 1999-04-13
; PRIOR APPLICATION NUMBER: 60/130359
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131272
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; PRIOR APPLICATION NUMBER: 60/131291
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/132371
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/132379
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/132383
; PRIOR FILING DATE: 1999-05-04
; PRIOR APPLICATION NUMBER: 60/135750
; PRIOR FILING DATE: 1999-05-25
; PRIOR APPLICATION NUMBER: 60/138166
; PRIOR FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 60/144791
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: 60/146970
; PRIOR FILING DATE: 1999-08-03
; PRIOR APPLICATION NUMBER: 60/162506
; PRIOR FILING DATE: 1999-10-29
; PRIOR APPLICATION NUMBER: 09/311832
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/380142
; PRIOR FILING DATE: 1999-08-25
; PRIOR APPLICATION NUMBER: 09/644848
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 09/747259
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: 09/816744

; PRIOR FILING DATE: 2001-03-22
; PRIOR APPLICATION NUMBER: 09/854208
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/854280
; PRIOR FILING DATE: 2001-05-10
; PRIOR APPLICATION NUMBER: 09/874503
; PRIOR FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 09/869599
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 09/908,827
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US99/10733
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: PCT/US99/28551
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30720
; PRIOR FILING DATE: 1999-12-22
; PRIOR APPLICATION NUMBER: PCT/US00/05601
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/US00/05841
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US00/34956
; PRIOR FILING DATE: 2000-12-20
; PRIOR APPLICATION NUMBER: PCT/US01/06520
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 80
; SEQ ID NO 58
; LENGTH: 1470
; TYPE: DNA
; ORGANISM: Homo Sapien
; 10-036-041-58

Query Match 92.0%; Score 273.2; DB 13; Length 1470;

Best Local Similarity 99.3%; Pred. No. 1.2e-81;

Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy	1	CCCCCTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCCCTTGGCATATCT	60
Db	497	CCCCCTCTGCACTAGGCCCTTTTCAGTGTGGCATGGTCTGACTCTGACCCCTTGGCATATCT	438
Qy	61	CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC	120
Db	437	CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC	378
Qy	121	TAAGGCCTCTTCAGCCTTGCTCTGAAACGCTGTAAAGGCACGTGCTCTTCTTGGCC	180
Db	377	TAAGGCCTCTTCAGCCTTGCTCTGAAACGCTGTAAAGGCACGTGCTCTTCTTGGCC	318
Qy	181	TGTATCCAGCACCTGCCCCAGCTCCAGCCTCTCGAGATCGACCGGTGCGACTCAGTTC	240
Db	317	TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC	258
Qy	241	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACT	274
Db	257	CGCCTGTAGCTCTGTGCTCAGCAGCTTACACT	224

RESULT 12

US-10-035-855-58/c

; Sequence 58, Application US/10035855

; Publication No. US2003008348A1

; GENERAL INFORMATION:

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3030R1C4

; CURRENT APPLICATION NUMBER: US/10/035,855

; CURRENT FILING DATE: 2001-12-26

; PRIOR APPLICATION NUMBER: 60/085579

; PRIOR FILING DATE: 1998-05-15

; PRIOR APPLICATION NUMBER: 60/112514

; PRIOR FILING DATE: 1998-12-15

; PRIOR APPLICATION NUMBER: 60/113300

; PRIOR FILING DATE: 1998-12-22

; PRIOR APPLICATION NUMBER: 60/113430

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: 60/113605

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: 60/113621

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: 60/114140

; PRIOR FILING DATE: 1998-12-23

; PRIOR APPLICATION NUMBER: 60/115552

; PRIOR FILING DATE: 1999-01-12

; PRIOR APPLICATION NUMBER: 60/116843

; PRIOR FILING DATE: 1999-01-22

; PRIOR APPLICATION NUMBER: 60/125774

; PRIOR FILING DATE: 1999-03-23

; PRIOR APPLICATION NUMBER: 60/125778

; PRIOR FILING DATE: 1999-03-23

; PRIOR APPLICATION NUMBER: 60/125826

; PRIOR FILING DATE: 1999-03-24

; PRIOR APPLICATION NUMBER: 60/127035

; PRIOR FILING DATE: 1999-03-31

; PRIOR APPLICATION NUMBER: 60/127706

; PRIOR FILING DATE: 1999-04-05

; PRIOR APPLICATION NUMBER: 60/129122

; PRIOR FILING DATE: 1999-04-13

; PRIOR APPLICATION NUMBER: 60/130359

; PRIOR FILING DATE: 1999-04-21

; PRIOR APPLICATION NUMBER: 60/131270

; PRIOR FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/131272

; PRIOR FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/131291

; PRIOR FILING DATE: 1999-04-27

; PRIOR APPLICATION NUMBER: 60/132371

; PRIOR FILING DATE: 1999-05-04

; PRIOR APPLICATION NUMBER: 60/132379

; PRIOR FILING DATE: 1999-05-04

; PRIOR APPLICATION NUMBER: 60/132383

; PRIOR FILING DATE: 1999-05-04

; PRIOR APPLICATION NUMBER: 60/135750

; PRIOR FILING DATE: 1999-05-25

; PRIOR APPLICATION NUMBER: 60/138166

; PRIOR FILING DATE: 1999-06-08

; PRIOR APPLICATION NUMBER: 60/144791

; PRIOR FILING DATE: 1999-07-20

; PRIOR APPLICATION NUMBER: 60/146970

; PRIOR FILING DATE: 1999-07-20

; PRIOR APPLICATION NUMBER: 60/146970

; PRIOR FILING DATE: 1999-07-20

APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C104
CURRENT APPLICATION NUMBER: US/10/176,758
CURRENT FILING DATE: 2002-06-21
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 479
LENGTH: 1470
TYPE: DNA
ORGANISM: Homo Sapien
10-176-758-479
Query Match 92.0%; Score 273.2; DB 14; Length 1470;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 497 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 438
QY 61 CAGTGAGCCCTTGGCCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db 437 CAGTGAGCCCTTGGCCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 378
QY 121 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGYCTCTCTCTTGCC 180
Db 377 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGYCTCTCTCTTGCC 318
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGGACTCAGTTTC 240
Db 257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224

BLT 15
10-175-737-479/c
Sequence 479, Application US/10175737
Publication No. US20030013153A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C50
CURRENT APPLICATION NUMBER: US/10/175,737
CURRENT FILING DATE: 2002-06-19
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 479

LENGTH: 1470
TYPE: DNA
ORGANISM: Homo Sapien
US-10-175-737-479
Query Match 92.0%; Score 273.2; DB 14; Length 1470;
Best Local Similarity 99.3%; Pred. No. 1.2e-81;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 497 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 438
QY 61 CAGTGAGCCCTTGGCCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db 437 CAGTGAGCCCTTGGCCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 378
QY 121 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGYCTCTCTCTTGCC 180
Db 377 TAAGGCCTCTTCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGYCTCTCTCTTGCC 318
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGGACTCAGTTTC 240
Db 317 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGGACTCAGTTTC 258
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224

Search completed: December 24, 2004, 20:38:30
Job time : 413 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model
Run on: December 24, 2004, 17:36:15 ; Search time 414 Seconds
(without alignments)
3765.889 Million cell updates/sec

Title: US-10-021-416A-1
Perfect score: 297
Sequence: 1 ccccttctgactaggcctt.....ggggaggagaaacgtccggg 297

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 4134886 seqs, 2624710521 residues
number of hits satisfying chosen parameters: 8269772

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_23Sep04:*
1: geneseqn1980s:*
2: geneseqn1990s:*
3: geneseqn2000s:*
4: geneseqn2001as:*
5: geneseqn2001bs:*
6: geneseqn2002as:*
7: geneseqn2002bs:*
8: geneseqn2003as:*
9: geneseqn2003bs:*
10: geneseqn2003cs:*
11: geneseqn2003ds:*
12: geneseqn2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

No.	Score	Match	Length	DB	ID	Description
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C 2	273.2	92.0	744	3	AZ49678	Human myo
C 3	273.2	92.0	746	5	AF94104	Primer sp
C 4	273.2	92.0	747	5	AC90704	Human sec
C 5	273.2	92.0	1306	2	AZ24902	Human sec
C 6	273.2	92.0	1306	8	ADA40262	Human sec
C 7	273.2	92.0	1306	10	ADC73786	Human sec
C 8	273.2	92.0	1306	10	ADA56426	Gene enco
C 9	273.2	92.0	1312	5	AAD05462	Human sec
C 10	273.2	92.0	1315	5	AAD05464	Human sec
C 11	273.2	92.0	1419	5	AF93914	Human cDN
C 12	273.2	92.0	1457	2	AAX78923	Human zca
C 13	273.2	92.0	1457	6	ABQ79391	Human cal
C 14	273.2	92.0	1462	3	AA16621	Human sec
C 15	273.2	92.0	1470	3	AAC58116	Human PRO
C 16	273.2	92.0	1470	3	AA96349	cDNA enco
C 17	273.2	92.0	1470	4	AAS46164	Human DNA
C 18	273.2	92.0	1470	6	ABL88222	Human PRO
C 19	273.2	92.0	1470	6	ABL95711	Human ang
C 20	273.2	92.0	1470	8	ACA89614	cDNA enco
C 21	273.2	92.0	1470	8	ACA73624	Human sec

C 22	273.2	92.0	1470	8	ACA05939	Human sec
C 23	273.2	92.0	1470	8	ACA66773	CDNA enco
C 24	273.2	92.0	1470	8	ACF20348	Human sec
C 25	273.2	92.0	1470	8	ACF19734	Human sec
C 26	273.2	92.0	1470	8	ACD22022	Human sec
C 27	273.2	92.0	1470	8	ACF13187	Human sec
C 28	273.2	92.0	1470	8	ACD28838	Human sec
C 29	273.2	92.0	1470	8	ACD25290	Human sec
C 30	273.2	92.0	1470	8	ACF00339	Human sec
C 31	273.2	92.0	1470	8	ACA72396	Novel hum
C 32	273.2	92.0	1470	8	ACD04920	Novel hum
C 33	273.2	92.0	1470	8	ACD18381	Human sec
C 34	273.2	92.0	1470	8	ACD08388	Human sec
C 35	273.2	92.0	1470	8	ACA88822	Novel hum
C 36	273.2	92.0	1470	8	ACA70264	Human sec
C 37	273.2	92.0	1470	8	ACD12486	Novel hum
C 38	273.2	92.0	1470	8	ACC74401	Human sec
C 39	273.2	92.0	1470	8	ACD16029	Human sec
C 40	273.2	92.0	1470	8	ACD25597	Novel hum
C 41	273.2	92.0	1470	8	ACD18074	Human sec
C 42	273.2	92.0	1470	8	ACC88361	Human sec
C 43	273.2	92.0	1470	8	ACD21715	Human sec
C 44	273.2	92.0	1470	8	ACD18782	Human sec
C 45	273.2	92.0	1470	8	ABX98392	Human cDN

ALIGNMENTS

RESULT 1
AAD38313
ID AAD38313 standard; DNA; 297 BP.
XX AAD38313;

04-OCT-2002 (first entry)

Secreted protein gene.

Gene characterisation; secreted protein; transgenic; transgenic mice;
neurobiological disorder; neurological disorder; pharmacological therapy;
depression; gene therapy; neuropsychological disorder; psychotic illness;
antidepressant; neuroleptic; ds.

Unidentified.

WO200236793-A2.

10-MAY-2002.

05-NOV-2001; 2001WO-US047409.

03-NOV-2000; 2000US-0245852P.

05-NOV-2001; 2001US-00245852.

(DELT-) DELTAGEN INC.

Phillips R, Reeder TC, Allen KD;

WPI; 2002-479762/51.

Novel targeting construct for producing transgenic mouse useful as
disease model and for identifying modulators of gene expression, has
nucleotide sequences homologous to a secreted protein gene and selectable
marker.

Example 1; Fig 1; 62pp; English.

The present invention relates to compositions and methods relating to the
characterisation of gene function. The invention particularly relates to
the role of secreted protein genes involved in neuro- biological
disorders and depression. The invention further relates to targeting
constructs comprising a secreted protein gene. The targeting constructs

are useful for producing transgenic mice comprising a disruption in a secreted protein encoding gene. They are useful for producing unique animal models for studying neuro- biological systems, for testing and developing new treatments relating to behaviour conditions, which can be used to test the efficacy of proposed genetic and pharmacological therapies for human genetic disease, such as neurological, neuropsychological, or psychotic illnesses. Secreted protein antibodies are useful for treating depression or ameliorating symptoms associated with it. The present sequence is a secreted protein gene. This sequence is used in the exemplification of the invention

29-SEP-1998; 98US-00163285.
(MILL-) MILLENNIUM PHARM INC.
Khodadoust MM;
WPI; 2000-136983/12.
P-PSDB; AAY44629.
Novel myocardium secreted protein-5 polynucleotides, used to modulate a variety of cellular processes.
Claim 1; Page 92-93; 99pp; English.
The present sequence is the coding region of myocardium secreted protein -5 (MSP-5) cDNA which was isolated from a cDNA library prepared from a cardiac tissue sample obtained from a biopsy of a 42 year old woman suffering from congestive heart failure. The MSP-5 protein has hypotensive and cardiac activities. It is highly expressed in heart, brain, placenta, foetal lung, liver, kidney, testis, small intestine and pituitary gland. The present sequence is used to modulate a variety of cellular processes, especially cardiac cellular processes. MSP-5 is used to modulate the activity of one or more proteins involved in a cardiovascular disorder, e.g. congestive heart failure or cardiomyopathy. Conditions and diseases which can be treated include hypertension, atherosclerosis, coronary artery spasm, coronary artery disease, valvular disease, arrhythmias, and cardiopathies (e.g. hypertropic, dilative, or restrictive cardiomyopathies), and disorders related to under or over expression of MSP-5.

XX 10-JAN-2001.
PD
XX
XX
PF 07-JUL-2000; 2000EP-00114090.
XX
XX
PR 08-JUL-1999; 99JP-00194179.
PR 11-JAN-2000; 2000JP-00118775.
PR 02-MAY-2000; 2000JP-00183766.
XX
XX
PA (HELI-) HELIX RES INST.
XX
PI Ota T, Isogai T, Nishikawa T, Kawai Y, Sugiyama T, Hayashi K;
XX
DR WPI; 2001-093989/11.
XX
XX
PT Nucleic acids encoding secretory proteins/membrane proteins, useful in
PT gene therapy or as candidate target molecules in drug development.
XX
XX
PS Claim 4; SEQ ID NO 538; 609pp + Sequence Listing; English.
XX
XX This invention relates to nucleic acid sequences AAF93744 - AAF93916
XX which encode human secretory or membrane proteins represented by AAB88317
XX - AAB88419. Included in the invention are primers AAF93917 - AAF94295 and
CC AAF62232 - AAF62235 which are used to isolate the cDNA sequences of the
CC invention. The invention also includes methods for the production of
CC antibodies directed against the proteins, and cDNA sequences, which can
CC be used in vaccines. The polynucleotide sequences can be used in gene
CC therapy. The polynucleotide sequences and the proteins they encode may be
CC used in the prevention, treatment and diagnosis of diseases associated
CC with inappropriate secretory protein/membrane protein expression. The
CC nucleic acids and complementary sequences may also be used as DNA probes
CC in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect
CC and quantitate the presence of similar nucleic acid sequences in samples.
CC They may also be used to study the expression and function of secretory
CC proteins/membrane polypeptides and their role in metabolism. The
CC polypeptides may be used as antigens in the production of antibodies
CC against them and in assays to identify modulators (agonists and
CC antagonists) of expression and activity. The antibodies and antagonists
CC may also be used as therapeutic agents to down regulate expression and
CC activity. The antibodies may also be used as diagnostic agents for
CC detecting the presence of the polypeptides in samples (e.g. by enzyme
CC linked immunosorbant assay (ELISA). Examples of diseases which may be
CC treated include rheumatoid arthritis and diabetes
XX
SQ Sequence 746 BP; 201 A; 142 C; 251 G; 149 T; 0 U; 3 Other;
Query Match 92.0%; Score 273.2; DB 5; Length 746;
Best Local Similarity 99.3%; Pred. No. 2.2e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCGCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 447 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCGCATGGTCTGACTCTGACCCCTTGGCATATCT 388
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 387 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 328
QY 121 TAAGGCCTCTTCCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGTCTTCTTCTTGGCC 180
Db 327 TAAGGCCTCTTCCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGTCTTCTTCTTGGCC 268
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db 267 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 208
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 207 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 174

ID AAC90704 standard; cDNA; 747 BP.
XX
AC AAC90704;
XX
DT 14-MAR-2001 (first entry)
XX
DE Human secretory protein TGC-623 nucleotide sequence SEQ ID NO:19.
XX
KW Human; secretory protein; cancer; immune disease; infectious disease;
KW lung function disorder; liver function disorder; antiinflammatory;
KW gastrointestinal disorder; cytostatic; haematopoietic; anticoagulant;
KW immunomodulatory; hepatotropic; cell proliferation-stimulant;
KW cell migratory agent; cell differentiation-inducer; ss.
XX
OS Homo sapiens.
XX
PN WO200071581-A1.
XX
PD 30-NOV-2000.
XX
PF 19-MAY-2000; 2000WO-JP003221.
XX
PR 20-MAY-1999; 99JP-00140229.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Itoh Y, Mogi S, Tanaka H, Ohkubo S, Ogi K;
XX
DR WPI; 2001-032023/04.
XX
XX P-PSDB; AAB36664.
XX
XX Novel secretory protein and its salt with e.g. anti-cancer, anti-
XX inflammatory and hematopoietic, effects, applicable as drugs in remedies
XX and preventives to treat diseases like cancer and immune diseases.
PS Example 4; Page 99; 122pp; Japanese.
XX
XX AAC90701 to AAC90715 encode the human secretory proteins given in
XX AAB36661 to AAB36675. The proteins can have cytostatic, anti-
XX inflammatory, haematopoietic, anti-coagulant, immunomodulatory and
XX hepatotropic activities, and can be used as cell migratory agents, cell
XX proliferation- stimulants and cell differentiation-inducers. The proteins
XX are useful in the treatment and prevention of diseases such as cancer,
XX lung function disorder, liver function disorder, gastrointestinal
XX disorder and immune diseases. AAC90716 to AAC90755 represent PCR primers
XX which are used in the exemplification of the present invention
SQ Sequence 747 BP; 209 A; 143 C; 255 G; 140 T; 0 U; 0 Other;
Query Match 92.0%; Score 273.2; DB 5; Length 747;
Best Local Similarity 99.3%; Pred. No. 2.2e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCGCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 390 CCCCTTCTGCACTAGGCCTTTTCAGTGTGCGCATGGTCTGACTCTGACCCCTTGGCATATCT 331
QY 61 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db 330 CAGTGAGCCCTTGGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 271
QY 121 TAAGGCCTCTTCCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGTCTTCTTCTTGGCC 180
Db 270 TAAGGCCTCTTCCAGCCCTTGTCTCTGAAACGCTGTAAAGGCACGTGTCTTCTTCTTGGCC 211
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db 210 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 151
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 150 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 117

RESULT 5
AAZ24902/c
ID AAZ24902 standard; DNA; 1306 BP.
XX AAZ24902;
AC
XX 02-DEC-1999 (first entry)
DT
DE Human secreted protein gene 92 clone HATAC53.
XX
KW Human; secreted protein; fusion protein; gene therapy; protein therapy;
KW diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;
KW developmental abnormality; foetal deficiency; blood; allergy; renal; ds;
KW immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;
KW inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;
KW cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;
KW osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;
KW endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.
OS
XX Homo sapiens.
PN WO9947540-A1.
XX
PD 23-SEP-1999.
XX
PF 18-MAR-1999; 99WO-US005804.
XX
PR 19-MAR-1998; 98US-0078563P.
PR 19-MAR-1998; 98US-0078566P.
PR 19-MAR-1998; 98US-0078573P.
PR 19-MAR-1998; 98US-0078574P.
PR 19-MAR-1998; 98US-0078576P.
PR 19-MAR-1998; 98US-0078577P.
PR 19-MAR-1998; 98US-0078578P.
PR 19-MAR-1998; 98US-0078579P.
PR 19-MAR-1998; 98US-0078581P.
PR 01-APR-1998; 98US-0080312P.
PR 01-APR-1998; 98US-0080313P.
PR 01-APR-1998; 98US-0080314P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Ni J, Rosen CA, Yu G, Young PE, Feng P, Soppet DR;
PI Wei Y, Endress GA, Duan RD, Kyaw H, Ebner R, Lafleur DW, Olsen HS;
PI Shi Y, Moore PA;
XX
L WPI; 1999-562050/47.
P-PSDB; AAY41399.
XX
PT New isolated human genes, useful for diagnosis and treatment of e.g.
PT cancers, neurological disorders, immune diseases, inflammation or blood
PT disorders.
XX
PS Claim 1; Page 353; 484pp; English.
XX
CC This sequence represents a nucleic acid molecule which encodes a secreted
CC human protein. The gene number, and the clone it is derived from, are
CC detailed in the descriptor line. The gene can be used to generate fusion
CC proteins by linking to the gene to a human immunoglobulin Fc portion
CC (e.g. AAZ24802) for increasing the stability of the fused protein as
CC compared to the human protein only. The invention relates to 95 novel
CC genes and their fragments (nucleic acid sequences: AAZ24811-224907; amino
CC acid sequences AAY41308-Y41404) which are useful for preventing, treating
CC or ameliorating medical conditions e.g. by protein or gene therapy. Also,
CC pathological conditions can be diagnosed by determining the amount of the
CC new polypeptides in a sample or by determining the presence of mutations
CC in the new polynucleotides. Specific uses are described for each of the
CC 95 polynucleotides, based on which tissues they are most highly expressed
CC in (see AAZ24811 for described uses)
XX
SQ Sequence 1306 BP; 334 A; 291 C; 377 G; 300 T; 0 U; 4 Other;

Query Match 92.0%; Score 273.2; DB 2; Length 1306;
Best Local Similarity 99.3%; Pred. No. 2.7e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACCTAGGCCCTTTTCAGTGTGTCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db 488 CCCCTTCTGCACCTAGGCCCTTTTCAGTGTGTCATGGTCTGACTCTGACCCCTTGGCATATCT 429
QY 61 CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db 428 CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 369
QY 121 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db 368 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 309
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCRCCTCTCGAGATCGACCGTGCAGTCTCAGTTC 240
Db 308 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGTGCAGTCTCAGTTC 249
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db 248 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 215

RESULT 6
ADA40262/c
ID ADA40262 standard; cDNA; 1306 BP.
XX
AC ADA40262;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human secreted protein encoding cDNA.
XX
KW Human; secreted protein; cancer; hyperproliferative disorder;
KW rheumatoid arthritis; autoimmune disorder; haematopoietic disorder;
KW anaemia; allergic reaction; asthma; cardiovascular disorder;
KW wound healing; cytostatic; immunosuppressive; nootropic; neuroprotective;
KW antiviral; antiallergic; hepatotropic; antidiabetic; antiinflammatory;
KW vulneryary; cardiant; gene therapy; ss.
XX
OS Homo sapiens.
XX
PN WO2002102993-A2.
XX
PD 27-DEC-2002.
XX
PF 19-MAR-2002; 2002WO-US008123.
XX
PR 21-MAR-2001; 2001US-0277340P.
PR 19-JUL-2001; 2001US-0306171P.
PR 13-NOV-2001; 2001US-0331287P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Ruben SM;
XX
DR WPI; 2003-175238/17.
XX
PT New human secreted proteins and nucleic acid molecules, useful for
PT preparing a diagnostic or pharmaceutical composition for diagnosing,
PT preventing or treating cancer or other hyperproliferative disorder,
PT asthma, allergies or AIDS.
XX
PS Claim 9; SEQ ID NO 644; 3205pp; English.
XX
CC The invention relates to novel genes ADA39629-ADA40565 and proteins
CC ADA40566-ADA41501 for human secreted proteins, useful for preventing,
CC treating or ameliorating medical conditions e.g. by protein or gene
CC therapy. The polypeptides, nucleic acid molecules, antibodies or their
CC fragments, and agonists or antagonists that bind to the polypeptide are
CC useful for preparing a diagnostic or pharmaceutical composition for

CC diagnosing or treating cancer or other hyperproliferative disorder. The
CC polypeptides and nucleic acid molecules are also useful for detecting,
CC preventing, diagnosing, prognosticating, treating or ameliorating cancer
CC or other hyperproliferative disorders including neoplasms, autoimmune
CC disorders (e.g. diabetes, rheumatoid arthritis, systemic lupus
CC erythematosus, multiple sclerosis, autoimmune thyroiditis or haemolytic
CC anaemia), haematopoietic or haematological disorders (e.g. anaemia,
CC thrombocytopenia), allergic reactions including asthma or eczema,
CC inflammatory disorders (e.g. ischaemia-reperfusion injury, inflammatory
CC bowel disease or Crohn's disease), neurodegenerative disorders (e.g.
CC Alzheimer's disease or Parkinson's disease), cardiovascular disorders
CC (e.g. atherosclerosis, myocarditis), infectious diseases (bacterial,
CC fungal or viral infections including HIV/AIDS), or wound healing and
CC disorders of epithelial cell proliferation. The nucleic acids are also
CC useful for chromosome identification, radiation hybrid mapping or long-
CC range restriction mapping, as molecular weight markers, or as
CC hybridization or diagnostic probes. The polypeptides and antibodies are
CC useful for providing immunological probes for differential identification
CC of the tissues immunohistochemistry assays. Note: The sequence data for
CC this patent did not form part of the printed specification, but was
CC obtained in electronic format directly from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences.

XX
SQ Sequence 1306 BP; 334 A; 291 C; 377 G; 300 T; 0 U; 4 Other;

Query Match 92.0%; Score 273.2; DB 8; Length 1306;
Best Local Similarity 99.3%; Pred. No. 2.7e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 60
Db |||||||
QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db |||||||
QY 121 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTGGCC 180
Db |||||||
QY 368 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTGGCC 309
QY 181 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCCGCTGCGACTCAGTTC 240
Db |||||||
QY 308 TGTATCCAGCACTGCCCCAGCTCCAGCACTCTCGAGATCCGCTGCGACTCAGTTC 249
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db |||||||

RESULT 7

ADC73786/c
ID ADC73786 standard; DNA; 1306 BP.

XX
AC ADC73786;
XX
DT 01-JAN-2004 (first entry)
XX
DE Human secreted protein-related DNA - SEQ ID 419.

XX antianaemic; antirheumatic; antiarthritic; antiinflammatory; antithyroid;
KW antidiabetic; immunosuppressive; dermatological; nephrotropic;
KW antiparkinsonian; neuroprotective; nontropic; antibacterial; virucide;
KW fungicide; antiparasitic; antiarteriosclerotic; vulnery; cytostatic;
KW haemopoietic; haematologic; anaemia; autoimmune disorder;
KW rheumatoid arthritis; inflammation; Grave's disease; diabetes;
KW systemic lupus erythematosus; glomerulonephritis; neurodegenerative;
KW Parkinson's; Alzheimer's; wound; hyperproliferative; atherosclerosis;
KW cancer; bacterial; viral; fungal; parasitic infection; gene therapy;
KW human; gene; ds.
OS Homo sapiens.
XX

PN WO2003038063-A2.
XX
PD 08-MAY-2003.
XX
PF 19-MAR-2002; 2002WO-US008277.
XX
PR 21-MAR-2001; 2001US-0277340P.
PR 19-JUL-2001; 2001US-0306171P.
PR 13-NOV-2001; 2001US-0331287P.
XX (HUMA-) HUMAN GENOME SCI INC.
XX Rosen CA, Ruben SM;
XX WPI; 2003-430516/40.
DR P-PSDB; ADC74401.

XX New human secreted polypeptide for diagnosing, preventing or treating
PT hematoipietic or hematologic disorders (e.g. anemia), autoimmune
PT disorders (e.g. diabetes) or hyperproliferative disorders (e.g. cancer or
PT atherosclerosis).

PS Claim 27; SEQ ID NO 419; 2272pp; English.

XX The invention relates to a novel human secreted polypeptide comprising a
CC defined sequence given in the specification. The polypeptide, nucleic
CC acid molecule, antibody, agonist or antagonist of the invention may be
CC useful for preparing a composition for diagnosing or treating a
CC haemopoietic or haematologic disorder such as anaemia, autoimmune
CC disorders such as rheumatoid arthritis, inflammation, Grave's disease,
CC diabetes, systemic lupus erythematosus or glomerulonephritis,
CC neurodegenerative disorders including Parkinson's disease and Alzheimer's
CC disease, wounds and hyperproliferative disorders including
CC atherosclerosis or cancer, as well as bacterial, viral, fungal or
CC parasitic infections. The polypeptide may also be used during gene
CC therapy procedures and for identifying a binding partner by contacting
CC the polypeptide with a binding partner and determining whether the
CC binding partner increases or decreases the activity of the polypeptide.
CC The current sequence is that of the human secreted protein-related DNA of
CC the invention.

SQ Sequence 1306 BP; 334 A; 291 C; 377 G; 300 T; 0 U; 4 Other;

Query Match 92.0%; Score 273.2; DB 10; Length 1306;
Best Local Similarity 99.3%; Pred. No. 2.7e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 60
Db |||||||
QY 488 CCCCTTCTGCACTAGGCCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 429
QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db |||||||
QY 428 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 369
QY 121 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTGGCC 180
Db |||||||
QY 368 TAAGGCCTTCTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTTGGCC 309
QY 181 TGTATCCAGCACTGCCCCAGCTCCAGRCCTCTCGAGATCCGCTGCGACTCAGTTC 240
Db |||||||
QY 308 TGTATCCAGCACTGCCCCAGCTCCAGCACTCTCGAGATCCGCTGCGACTCAGTTC 249
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db |||||||

RESULT 8

ADA56426/c
ID ADA56426 standard; DNA; 1306 BP.
XX
AC ADA56426;

XX 20-NOV-2003 (first entry)
DE Gene encoding human secreted protein #34.
XX immunosuppressive; antiinflammatory; antiasthmatic; antiallergic;
KW cytostatic; cerebroprotective; neuroprotective; nootropic;
KW cardiovascular; antiarteriosclerotic; gene therapy;
KW human secreted protein; immune disorder; inflammation;
KW respiratory disorder; cancer; CNS disorder; neurodegenerative disorders;
KW inflammatory bowel disease; nephritis; Crohn's disease; asthma; allergy;
KW multiple sclerosis; ischaemic brain injury; Parkinson's disease;
KW Alzheimer's disease; atherosclerosis; myocarditis; chromosome mapping;
KW triple helix formation; antisense gene therapy; forensic biology; ds;
KW gene.
XX Homo sapiens.
XX WO2002102994-A2.
XX 27-DEC-2002.
XX 19-MAR-2002; 2002WO-US008278.
XX 21-MAR-2001; 2001US-0277340P.
PR 19-JUL-2001; 2001US-0306171P.
PR 13-NOV-2001; 2001US-0331287P.
XX (HUMA-) HUMAN GENOME SCI INC.
XX Rosen CA, Ruben SM;
XX WPI; 2003-167512/16.
DR P-PSDB; ADA57322.
XX New human secreted polypeptides and polynucleotides, useful for
PT diagnosing, treating or preventing e.g. immune disorders, inflammatory
PT conditions, respiratory disorders, cancers, CNS disorders, or
PT neurodegenerative disorders.
XX Claim 21; SEQ ID NO 615; 1754pp; English.
XX The invention relates to 592 new human secreted polypeptides useful for
CC diagnosing, treating or preventing e.g. immune disorders, inflammatory
CC conditions, respiratory disorders, cancers, CNS disorders, or
CC neurodegenerative disorders, or polypeptides comprising an amino acid
CC sequence at least 95% identical to the new sequences. The polypeptides,
CC antibodies or antibody fragments that bind to the polypeptides, nucleic
CC acids encoding the polypeptides, agonists or antagonists that binds to
CC the polypeptide, are useful in preparing diagnostic or pharmaceutical
CC compositions for diagnosing, treating or preventing an e.g. immune
CC disorders, inflammatory conditions (e.g. inflammatory bowel disease,
CC nephritis or Crohn's disease), respiratory disorders (e.g. asthma and
CC allergy), cancers (e.g. gastric, ovarian or lung cancer), CNS disorders
CC (e.g. multiple sclerosis or ischaemic brain injury), neurodegenerative
CC disorders (e.g. Parkinson's disease or Alzheimer's disease), and
CC cardiovascular disorders (e.g. atherosclerosis or myocarditis). The
CC polynucleotides are useful for chromosome identification, chromosome
CC mapping, for controlling gene expression through triple helix formation
CC or antisense DNA or RNA, in gene therapy, for identifying individuals
CC from minute biological samples, in forensic biology, and as hybridization
CC probes. The polypeptides are useful for as molecular weight markers on
CC sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE)
CC gels, to raise antibodies, for testing biological activities, and for
CC treating or preventing neural disorders, immune system disorders,
CC muscular, reproductive, gastrointestinal, pulmonary, cardiovascular,
CC renal, proliferative and/or cancerous diseases. This sequence corresponds
CC to a gene encoding one of the polypeptide of the invention. Note: The
CC sequence data for this patent did form part of the printed specification,
CC but was obtained in electronic format directly from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences.
XX Sequence 1306 BP; 334 A; 291 C; 377 G; 300 T; 0 U; 4 Other;

Query Match 92.0%; Score 273.2; DB 10; Length 1306;
Best Local Similarity 99.3%; Pred. No. 2.7e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
488 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 429
QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
428 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 369
QY 121 TAAGGCCTTCTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGCC 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
368 TAAGGCCTTCTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGTCTCTTCTCTTGCC 309
QY 181 TGTATCCAGCACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
308 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC 249
QY 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
248 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 215
RESULT 9
AAD05462/c
ID AAD05462 standard; cDNA; 1312 BP.
XX
AC AAD05462;
XX
DT 17-JUL-2001 (first entry)
XX
DE Human secreted protein-encoding gene 23 cDNA clone HNTRS57, SEQ ID NO:84.
XX Human; secreted protein; proliferative disorder; cancer; tumour;
KW foetal abnormality; developmental abnormality; haematopoietic disorder;
KW immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;
KW inflammation; allergy; neurological disorder; Alzheimer's disease;
KW Parkinson's disease; cognitive disorder; schizophrenia; asthma;
KW skin disorder; psoriasis; sepsis; diabetes; atherosclerosis;
KW cardiovascular disorder; angiogenic disorder; kidney disorder;
KW gastrointestinal disorder; pregnancy-related disorder;
KW endocrine disorder; infection; wound healing; vulnery; cell culture;
KW chemotaxis; food additive; gene therapy; binding partner identification;
KW ss.
XX Homo sapiens.
OS
FH Key Location/Qualifiers
CDS 69..674
FT /*tag= a
FT /product= "Human secreted protein"
FT /note= "CDS does not include start codon"
FT /partial
FT 69..71
FT sig_peptide /*tag= b
FT 72..671
FT mat_peptide /*tag= c
FT /product= "Mature human secreted protein"
XX WO200134623-A1.
PN
XX
PD 17-MAY-2001.
XX
PF 01-NOV-2000; 2000WO-US030037.
XX
PR 05-NOV-1999; 99US-0163577P.
PR 30-JUN-2000; 2000US-0215137P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX

PI Ruben SM, Komatsoulis GA, Moore PA;
XX WPI; 2001-316490/33.
DR P-PSDB; AAE01619.
XX
PT Nucleic acids encoding 29 human secreted polypeptides, useful for
PT preventing, diagnosing and/or treating e.g. cancers, Parkinson's disease
PT and diabetic retinopathy.
XX
PS Claim 1; Page 469; 535pp; English.
XX
CC AAD05389-AAD05473 represent cDNAs corresponding to 29 human secreted
CC protein genes, and AAE01546-AAE01630 represent the proteins they encode.
CC AAE01631-AAE01660 represent human secreted protein fragments or variants.
CC The secreted proteins and their genes are useful for preventing, treating
CC or ameliorating medical conditions, e.g., by protein or gene therapy.
CC Pathological conditions can be diagnosed by determining the amount of the
CC new protein in a sample or by determining the presence of mutations in
CC the new genes. Specific uses are described for each of the 29 genes,
CC based on the tissues in which they are most highly expressed, and include
CC developing products for the diagnosis or treatment of proliferative
CC disorders, cancer, tumours, foetal and developmental abnormalities,
CC haematopoietic disorders, diseases of the immune system, AIDS, autoimmune
CC diseases (e.g., rheumatoid arthritis), inflammation, allergies,
CC neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),
CC cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,
CC psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
CC angiogenic disorders, kidney disorders, gastrointestinal disorders,
CC pregnancy-related disorders, endocrine disorders, and infections. The
CC proteins can also be used to aid wound healing and epithelial cell
CC proliferation, to prevent skin aging due to sunburn, to maintain organs
CC before transplantation, for supporting cell culture of primary tissues,
CC to regenerate tissues, to identify their cognate ligands or binding
CC partners, and in chemotaxis, and can be used as a food additive or
CC preservative to modify storage properties. Antibodies specific for a
CC protein of the invention can be used in alleviating symptoms associated
CC with the disorders mentioned above, and in diagnostic immunoassays e.g.,
CC radioimmunoassay or enzyme linked immunosorbent assay (ELISA). The
CC present sequence represents a human secreted protein-encoding cDNA of the
XX invention
SQ Sequence 1312 BP; 334 A; 288 C; 382 G; 304 T; 0 U; 4 Other;

Query Match 92.0%; Score 273.2; DB 5; Length 1312;
Best Local Similarity 99.3%; Pred. No. 2.7e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGACTAGGCGCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 60
|||||
494 CCCCTTCTGACTAGGCGCTTTTCAGTGTGGCATGGTCTGACTCTGACCTTGGCATATCT 435
|||||
QY 61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC 120
|||||
Db 434 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATCTC 375
|||||
QY 121 TAAGGCGCTTTCAGCGCTTGTCTCTGAAACGCTGTAAAGGCACGTCGTCTTCTCTTGGCC 180
|||||
Db 374 TAAGGCGCTTTCAGCGCTTGTCTCTGAAACGCTGTAAAGGCACGTCGTCTTCTCTTGGCC 315
|||||
QY 181 TGTATCCAGCACTGCCCCAGCTCCAGCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
|||||
Db 314 TGTATCCAGCACTGCCCCAGCTCCAGCACTCTCGAGATCGACCGGTGCGACTCAGTTC 255
|||||
QY 241 CGCCTGTAGCTTGTGCTCAGCAGCTTACACT 274
|||||
Db 254 CGCCTGTAGCTTGTGCTCAGCAGCTTACACT 221
|||||

RESULT 10
AAD05464/c
ID AAD05464 standard; cDNA; 1315 BP.
XX
AC AAD05464;

XX 17-JUL-2001 (first entry)
XX Human secreted protein-encoding gene 23 cDNA clone HNTRS57, SEQ ID NO:86.
DE
XX Human; secreted protein; proliferative disorder; cancer; tumour;
KW foetal abnormality; developmental abnormality; haematopoietic disorder;
KW immune system disorder; AIDS; autoimmune disease; rheumatoid arthritis;
KW inflammation; allergy; neurological disorder; Alzheimer's disease;
KW Parkinson's disease; cognitive disorder; schizophrenia; asthma;
KW skin disorder; psoriasis; sepsis; diabetes; atherosclerosis;
KW cardiovascular disorder; angiogenic disorder; kidney disorder;
KW gastrointestinal disorder; pregnancy-related disorder;
KW endocrine disorder; infection; wound healing; vulnery; cell culture;
KW chemotaxis; food additive; gene therapy; binding partner identification;
SS.
XX Homo sapiens.
OS
XX
XX Key Location/Qualifiers
FH CDS 58..645
FT /*tag= a
FT /product= "Human secreted protein"
FT /note= "CDS does not include start codon"
FT /partial
FT sig_peptide 58..60
FT /*tag= b
FT mat_peptide 61..642
FT /*tag= c
FT /product= "Mature human secreted protein"
XX
XX WO200134623-A1.
PN
XX 17-MAY-2001.
PD
XX 01-NOV-2000; 2000WO-US030037.
PF
XX 05-NOV-1999; 99US-0163577P.
XX 30-JUN-2000; 2000US-0215137P.
PR
XX (HUMA-) HUMAN GENOME SCI INC.
PA
XX Ruben SM, Komatsoulis GA, Moore PA;
PI WPI; 2001-316490/33.
XX P-PSDB; AAE01621.
DR
XX Nucleic acids encoding 29 human secreted polypeptides, useful for
PT preventing, diagnosing and/or treating e.g. cancers, Parkinson's disease
PT and diabetic retinopathy.
XX
PS Claim 1; Page 470-471; 535pp; English.
XX
XX AAD05389-AAD05473 represent cDNAs corresponding to 29 human secreted
CC protein genes, and AAE01546-AAE01630 represent the proteins they encode.
CC AAE01631-AAE01660 represent human secreted protein fragments or variants.
CC The secreted proteins and their genes are useful for preventing, treating
CC or ameliorating medical conditions, e.g., by protein or gene therapy.
CC Pathological conditions can be diagnosed by determining the amount of the
CC new protein in a sample or by determining the presence of mutations in
CC the new genes. Specific uses are described for each of the 29 genes,
CC based on the tissues in which they are most highly expressed, and include
CC developing products for the diagnosis or treatment of proliferative
CC disorders, cancer, tumours, foetal and developmental abnormalities,
CC haematopoietic disorders, diseases of the immune system, AIDS, autoimmune
CC diseases (e.g., rheumatoid arthritis), inflammation, allergies,
CC neurological disorders (e.g., Alzheimer's disease, Parkinson's disease),
CC cognitive disorders, schizophrenia, asthma, skin disorders (e.g.,
CC psoriasis), sepsis, diabetes, atherosclerosis, cardiovascular disorders,
CC angiogenic disorders, kidney disorders, gastrointestinal disorders,
CC pregnancy-related disorders, endocrine disorders, and infections. The
CC proteins can also be used to aid wound healing and epithelial cell
CC proliferation, to prevent skin aging due to sunburn, to maintain organs

CC before transplantation, for supporting cell culture of primary tissues,
CC to regenerate tissues, to identify their cognate ligands or binding
CC partners, and in chemotaxis, and can be used as a food additive or
CC preservative to modify storage properties. Antibodies specific for a
CC protein of the invention can be used in alleviating symptoms associated
CC with the disorders mentioned above, and in diagnostic immunoassays e.g.,
CC radioimmunoassay or enzyme linked immunosorbent assay (ELISA). The
CC present sequence represents a human secreted protein-encoding cDNA of the
CC invention
XX
SQ Sequence 1315 BP; 355 A; 285 C; 378 G; 297 T; 0 U; 0 Other;

Query Match 92.0%; Score 273.2; DB 5; Length 1315;
Best Local Similarity 99.3%; Pred. No. 2.7e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
483 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 424
61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
423 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 364
121 TAAGGCCCTCTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGGCC 180
363 TAAGGCCCTCTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGGCC 304
181 TGTATCCAGACCTGCCCCAGCTCCAGRCCTCTCGAGATCGACCGTGCGACTCAGTTTC 240
303 TGTATCCAGACCTGCCCCAGCTCCAGCACTCTCGAGATCGACCGTGCGACTCAGTTTC 244
241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
243 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 210

RESULT 11
AAF93914/c
ID AAF93914 standard; cDNA; 1419 BP.
XX
AC AAF93914;
XX
DT 23-MAY-2001 (first entry)
XX
DE Human cDNA encoding a membrane or secretory protein clone PSEC0237.
XX

Human; secretory protein; membrane protein; vaccine; gene therapy;
rheumatoid arthritis; diabetes; ss.

XX Homo sapiens.
OS
XX EP1067182-A2.
XX
PD 10-JAN-2001.
XX
PF 07-JUL-2000; 2000EP-00114090.
XX
PR 08-JUL-1999; 99JP-00194179.
PR 11-JAN-2000; 2000JP-00118775.
PR 02-MAY-2000; 2000JP-00183766.
XX

(HELI-) HELIX RES INST.
PA
XX Ota T, Isogai T, Nishikawa T, Kawai Y, Sugiyama T, Hayashi K;
PI
XX WPI; 2001-093989/11.
DR
DR P-PSDB; AAB88487.
XX

Nucleic acids encoding secretory proteins/membrane proteins, useful in
gene therapy or as candidate target molecules in drug development.
XX
PS Claim 1; SEQ ID NO 345; 609pp + Sequence Listing; English.

XX
CC This invention relates to nucleic acid sequences AAF93744 - AAF93916
CC which encode human secretory or membrane proteins represented by AAB88317
CC - AAB88419. Included in the invention are primers AAF93917 - AAF94295 and
CC AAF62232 - AAF62235 which are used to isolate the cDNA sequences of the
CC invention. The invention also includes methods for the production of
CC antibodies directed against the proteins, and cDNA sequences, which can
CC be used in vaccines. The polynucleotide sequences can be used in gene
CC therapy. The polynucleotide sequences and the proteins they encode may be
CC used in the prevention, treatment and diagnosis of diseases associated
CC with inappropriate secretory protein/membrane protein expression. The
CC nucleic acids and complementary sequences may also be used as DNA probes
CC in diagnostic assays (e.g. polymerase chain reactions (PCR)) to detect
CC and quantitate the presence of similar nucleic acid sequences in samples.
CC They may also be used to study the expression and function of secretory
CC proteins/membrane polypeptides and their role in metabolism. The
CC polypeptides may be used as antigens in the production of antibodies
CC against them and in assays to identify modulators (agonists and
CC antagonists) of expression and activity. The antibodies and antagonists
CC may also be used as therapeutic agents to down regulate expression and
CC activity. The antibodies may also be used as diagnostic agents for
CC detecting the presence of the polypeptides in samples (e.g. by enzyme
CC linked immunosorbant assay (ELISA). Examples of diseases which may be
CC treated include rheumatoid arthritis and diabetes
XX

SQ Sequence 1419 BP; 363 A; 307 C; 422 G; 327 T; 0 U; 0 Other;
Query Match 92.0%; Score 273.2; DB 5; Length 1419;
Best Local Similarity 99.3%; Pred. No. 2.8e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
447 CCCCTTCTGCACTAGGCCCTTTTCAGTGTGGCCATGGTCTGACTCTGACCCCTTGGCATATCT 388
61 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
387 CAGTGAGCCCTTGGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTCTC 328
121 TAAGGCCCTCTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGGCC 180
327 TAAGGCCCTCTCCAGCCCTTGTCTCTGAAACGCTGTAAGGCACGTGCTCTTCTCTTGGCC 268
181 TGTATCCAGACCTGCCCCAGCTCCAGRCCTCTCTCGAGATCGACCGTGCGACTCAGTTTC 240
267 TGTATCCAGACCTGCCCCAGCTCCAGCACTCTCGAGATCGACCGTGCGACTCAGTTTC 208
241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
207 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 174

RESULT 12
AAX78923/c
ID AAX78923 standard; DNA; 1457 BP.
XX
AC AAX78923;
XX
DT 09-SEP-1999 (first entry)
XX
DE Human zcalc-1 DNA allele 2.
XX
KW Calcitonin-like protein 1; zcalc-1; human; osteopathic; antidiabetic;
KW hypotensive; vasodilator; neuromodulator; peripheral organ; treatment;
KW Paget's disease; hypercalcaemia; osteoporosis; Raynaud's disease;
KW type I diabetes; hypertension; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
CDS 63..809
FT /*tag= a
FT /product= "zcalc-1"

RESULT 14
AAA16621/c
ID AAA16621 standard; cDNA; 1462 BP.
AC AAA16621;
XX
DT 16-JUN-2000 (first entry)
DE Human secreted protein clone pj193_5 nucleotide sequence SEQ ID NO:7.
XX
KW Human; secreted protein; immunestimulant; immunosuppressant; virucide;
KW antibacterial; antifungal; cytostatic; antiinflammatory; dermatological;
KW antidiabetic; antiasthmatic; antiarthritic; antirheumatic; protozoacide;
KW antithyroid; immune deficiency; severe combined immunodeficiency; SCID;
KW infection; HIV; hepatitis; malaria; autoimmune disorder; systemic lupus;
KW connective tissue disease; multiple sclerosis; erythematosis;
KW rheumatoid arthritis; autoimmune pulmonary inflammation; asthma;
KW Guillain-Barre syndrome; autoimmune thyroiditis; myasthenia gravis;
KW insulin dependent diabetes mellitus; graft-versus-host-disease;
KW autoimmune inflammatory eye disease; allergy; ss.
XX
OS Homo sapiens.
XX
PN WO200009552-A1.
XX
PD 24-FEB-2000.
XX
PF 13-AUG-1999; 99WO-US018298.
XX
PR 14-AUG-1998; 98US-0096622P.
PR 17-AUG-1998; 98US-0096815P.
PR 04-SEP-1998; 98US-0099229P.
PR 23-OCT-1998; 98US-0105368P.
PR 08-JAN-1999; 99US-0115234P.
PR 12-FEB-1999; 99US-0119931P.
PR 18-FEB-1999; 99US-0120575P.
PR 30-APR-1999; 99US-0132020P.
PR 11-AUG-1999; 99US-0148424P.
XX
PA (GEMY) GENETICS INST INC.
XX
PI Jacobs K, McCoy JM, Lavallie ER, Collins-Racie LA, Evans C;
PI Merberg D, Treacy M, Agostino MJ, Steininger RJ, Spaulding V;
PI Wong GG, Clark HF, Fachtel K;
XX
DP WPI; 2000-205979/18.
XX P-PSDB; AAY94901.
XX
PT New polynucleotides encoding secreted proteins, which may have e.g.
PT nutritional, chemokine, immune stimulating or suppressing, hematopoiesis
PT regulating, tissue growth, activin/inhibin antiinflammatory or tumor
PT inhibition activity.
XX
PS Claim 16; Page 470-471; 641pp; English.
XX
CC AAA16618 to AAA16697 encode the human secreted proteins given in AAY94898
CC to AAY94980, isolated from human adult brain, adult thyroid, adult
CC retina, foetal carcinoma, adult blood, adult neural, foetal kidney, adult
CC placenta, adult testis, whole embryo, adult cartilage, kidney, foetal
CC brain, adult thymus, foetal placenta, adult uterus, adult tumour, and
CC adult bladder, cDNA libraries. The polynucleotides and proteins are
CC predicted to have biological activities which would make them suitable
CC for treating, preventing or ameliorating medical conditions in humans and
CC animals. The polynucleotides can be used as markers for tissues in which
CC the protein is preferentially expressed, as molecular weight markers on
CC Southern gels, and as chromosome markers or tags to identify chromosomes
CC or to map gene positions. The proteins can be used in the treatment of
CC immune deficiencies and disorders, such as severe combined
CC immunodeficiency (SCID), as well as viral, bacterial, fungal and other
CC infections. These infections include human immunodeficiency virus (HIV),
CC hepatitis, herpesviruses, mycobacteria, leishmania spp., malaria and
CC candidiasis. The proteins can be used to treat autoimmune disorders such

CC as connective tissue disease, multiple sclerosis, systemic lupus
CC erythematosis, rheumatoid arthritis, autoimmune pulmonary inflammation,
CC Guillain-Barre syndrome, autoimmune thyroiditis, insulin dependant
CC diabetes mellitus, myasthenia gravis, graft-versus-host-disease and
CC autoimmune inflammatory eye disease. The proteins can also be used to
CC treat allergic conditions, such as asthma. AAA16698 to AAA16774 represent
CC probes for the human secreted proteins from the present invention
XX
SQ Sequence 1462 BP; 384 A; 316 C; 431 G; 331 T; 0 U; 0 Other;

Query Match 92.0%; Score 273.2; DB 3; Length 1462;
Best Local Similarity 99.3%; Pred. No. 2.9e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CCCTTCTGCACCTAGGCCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
475 CCCTTCTGCACCTAGGCCCTTTCAGTGTGCCATGGTCTGACTCTGACCCCTTGGCATATCT 416
Qy 61 CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 120
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
415 CAGTGAGCCCTTGGCGCTCAGCGTGAACACTATAGTCCAGGATCCGCTCACATAAATTC 356

Qy 121 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGYCTCTTCTCTTGC 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
355 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAGGCACGTGTCTCTTCTCTTGC 296

Qy 181 TGTATCCAGCACCTGCCCGCAGCTCCAGCRCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
295 TGTATCCAGCACCTGCCCGCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC 236

Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
235 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 202

RESULT 15
AAC58116/c
ID AAC58116 standard; cDNA; 1470 BP.
XX
AC AAC58116;
XX
DT 25-JAN-2001 (first entry)
XX
DE Human PRO4354 nucleotide sequence SEQ ID NO:39.
XX
KW Human; tumour; diagnosis; neoplastic disease; proliferation; cancer;
KW identification; tumorigenesis; anticancer; detection; ss.
XX
OS Homo sapiens.
XX
PN WO200053750-A1.
XX
PD 14-SEP-2000.
XX
PF 02-DEC-1999; 99WO-US028551.
XX
PR 08-MAR-1999; 99WO-US005028.
PR 01-SEP-1999; 99WO-US020111.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028634.
XX
(GETH) GENENTECH INC.
XX
PI Botstein D, Goddard A, Gurney AL, Roy MA, Watanabe CK, Wood WI;
XX
DR WPI; 2000-594320/56.
XX P-PSDB; AAB24034.
XX
PT Antibodies specific for PRO polypeptides, used to diagnose and inhibit
PT the growth of tumors in mammals, and to identify inhibitors of PRO
PT polypeptide activity or expression.
XX

PS Claim 50; Fig 27; 226pp; English.
XX
CC The present invention describes an antibody that binds to a human protein
CC (I) selected from: PRO381; PRO1269; PRO1410; PRO1755; PRO1780; PRO3434;
CC PRO1927; PRO3567; PRO1295; PRO1293; PRO1303; PRO4344; PRO4354; PRO4397;
CC PRO4407; PRO1555; PRO1096; PRO2038; and PRO2262. (I) has anticancer
CC activity and can be used to diagnose tumours in mammals, by detecting
CC complex formation when the antibody is contacted with test cells.
CC Increased expression of genes encoding (I) can also be detected to
CC diagnose tumours. Agents which inhibit the activity of (I), especially
CC the antibodies, or an antisense oligonucleotide which hybridises to genes
CC encoding (I), can be used to inhibit tumour growth, preferably by
CC inducing cell death. Methods from the present invention can be used to
CC identify compounds which inhibit the biological activity of (I). AAC58019
CC to AAC58102 represent PCR primers and hybridisation probes used in
CC examples from the present invention for human PRO sequences. AAC58103 to
CC AAC58122 and AAB24021 to AAB24040 represent human PRO polynucleotide and
CC protein sequences given in the exemplification of the present invention
XX
SQ Sequence 1470 BP; 373 A; 322 C; 438 G; 337 T; 0 U; 0 Other;
ry Match 92.0%; Score 273.2; DB 3; Length 1470;
Best Local Similarity 99.3%; Pred. No. 2.9e-77;
Matches 272; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CCCCTTCTGCACTAGGCCTTTTCAGTGTGTCATGGTCTGACTCTGACCCCTTGGCATATCT 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
497 CCCCTTCTGCACTAGGCCTTTTCAGTGTGTCATGGTCTGACTCTGACCCCTTGGCATATCT 438
Qy 61 CAGTGAGCCCTTGGGCTCAGCGTGAACTATAGTCCAGGATCCGCTCACATAAATTCTC 120
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
437 CAGTGAGCCCTTGGGCTCAGCGTGAACTATAGTCCAGGATCCGCTCACATAAATTCTC 378
Qy 121 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGCACGTGYCTCTTCTCTTGCC 180
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
377 TAAGGCCTCTTCCAGCCTTGTCTCTGAAACGCTGTAAAGGCACGTGTCTCTCTCTTGCC 318
Qy 181 TGTATCCAGCACCTGCCCCAGCTCCAGCRCCCTCTCGAGATCGACCGGTGCGACTCAGTTC 240
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
317 TGTATCCAGCACCTGCCCCAGCTCCAGCACCTCTCGAGATCGACCGGTGCGACTCAGTTC 258
Qy 241 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 274
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
257 CGCCTGTAGCTCTGTGCTCAGCAGCTTACACACT 224

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Job time : 416 secs

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